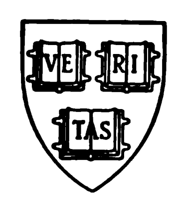
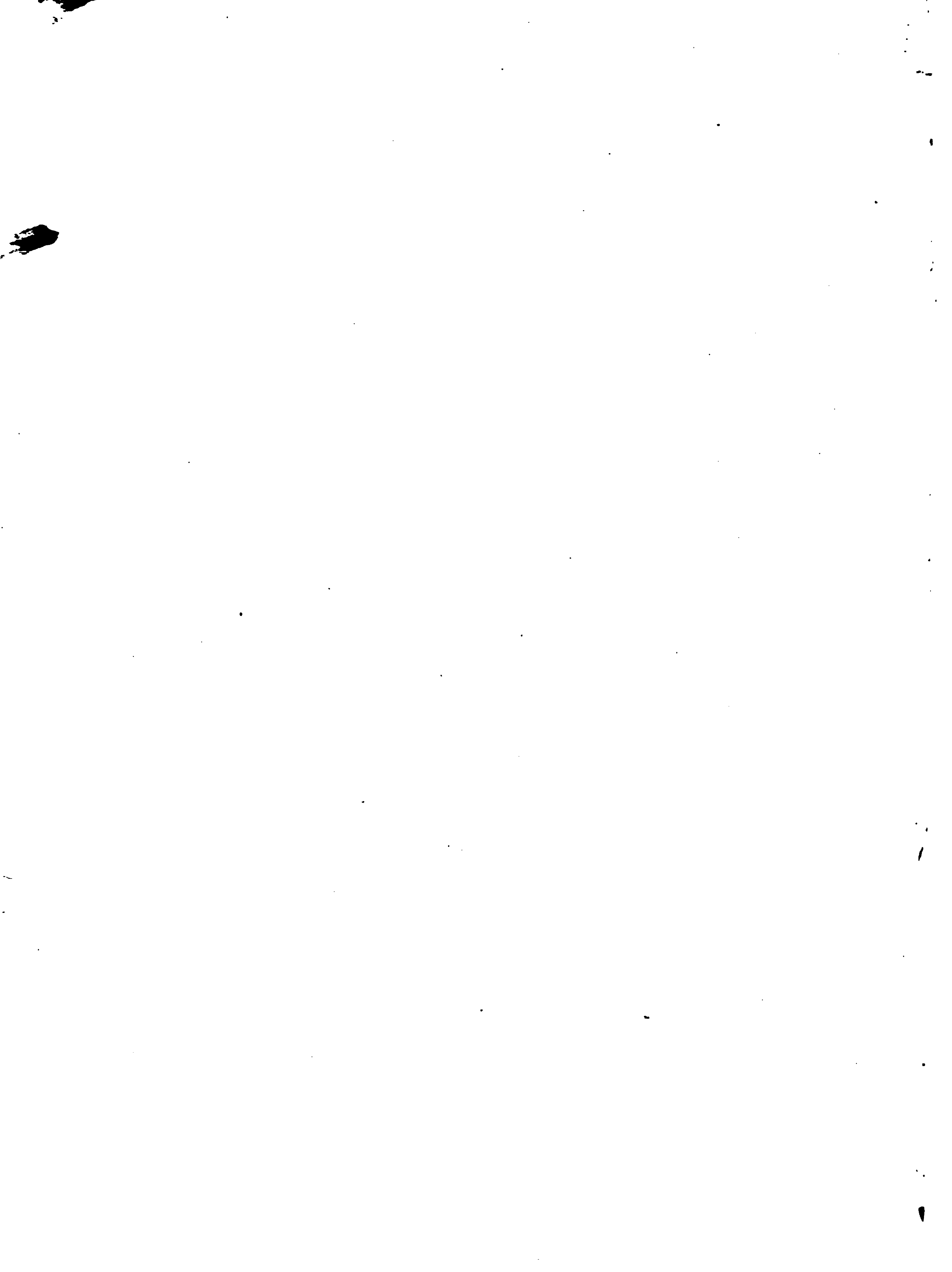
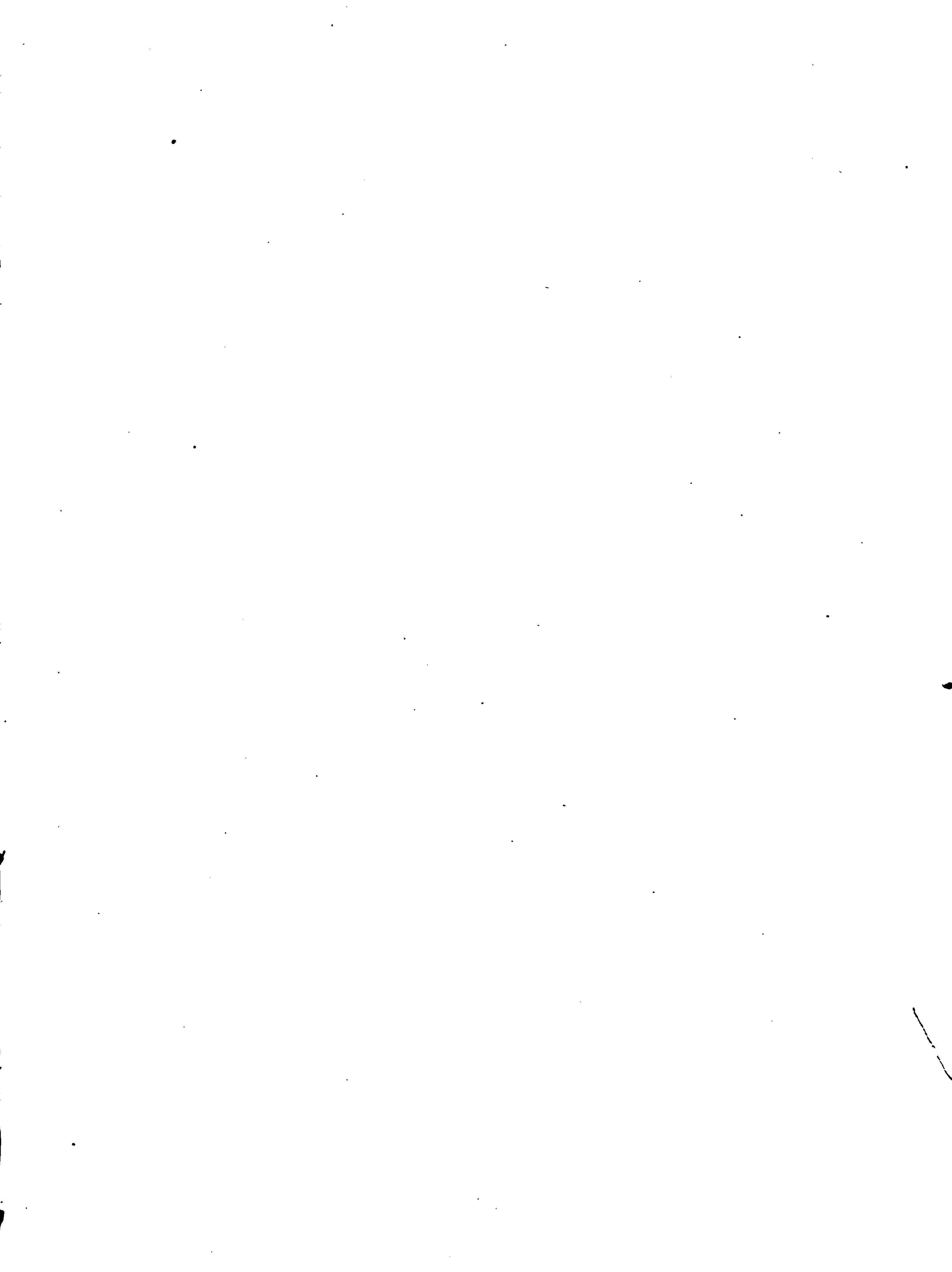





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KATALOG DER ASTRONOMISCHEN GESELLSCHAFT.

ZONE −2° BIS −6°.

KATALOG

DER

ASTRONOMISCHEN GESELLSCHAFT.

ZWEITE ABTEILUNG.

KATALOG DER STERNE BIS ZUR NEUNTEN GRÖSZE

ZWISCHEN 2° UND 23° SÜDLICHER DEKLINATION

FÜR DAS ÄQUINOKTIUM 1900.

ERSTES STÜCK.

ZONE −2° BIS −6°

BEOBACHTET AUF DER KAISERLICHEN UNIVERSITÄTS-STERNWARTE

STRASZBURG.

LEIPZIG 1906.

IN KOMMISSION BEI WILHELM ENGELMANN.

KATALOG VON 8204 STERNEN

ZWISCHEN 1°42′ UND 6°10′ SÜDLICHER DEKLINATION 1855

FÜR DAS ÄQUINOKTIUM

1900

NEBST EINMALIG BESTIMMTEN ÖRTERN VON WEITEREN 107 STERNEN

NACH ZONEN-BEOBACHTUNGEN

VON

J. HALM, M. ZWINK, W. F. WISLICENUS (†), E. BECKER, B. WANACH U. A.

AM REPSOLDSCHEN MERIDIANKREISE

DER

KAISERLICHEN UNIVERSITÄTS-STERNWARTE ZU STRASZBURG

IN DEN JAHREN 1888 BIS 1893, 1895 UND 1903 BIS 1905

BEARBEITET VON

E. BECKER.

HERAUSGEGEBEN VON DER ASTRONOMISCHEN GESELLSCHAFT.

LEIPZIG 1906.

IN KOMMISSION BEI WILHELM ENGELMANN.

Astronom. Observatory

EINLEITUNG.

Statistik der Arbeit.

Der nachfolgende Katalog enthält in seiner Hauptabteilung 8204 Sterne, von denen 6797 nach der Bonner Durchmusterung eine Helligkeit bis zur Größe 9.0 haben, 1398 unter dieser Grenze liegen und 9 — den Fundamentalstern o Ceti einbegriffen — veränderlich sind, aber in ihrer Maximalhelligkeit die neunte Größe übersteigen oder nahe erreichen. Von den Sternen unter $9^{\mathrm{m}}.0$ kommen 513 in der Histoire céleste, den Königsberger Zonen und (einer) in den Positiones mediae vor und gehören nach den in der Vierteljahrschrift der Astronomischen Gesellschaft (Bd. IV) für die nördlichen Zonen festgesetzten Normen außer den Sternen der B.D. bis $9^{\mathrm{m}}.0$ zu dem engeren Beobachtungsprogramm; es ist angestrebt worden, auch alle schwächeren Sterne zu beobachten, für welche in späteren Beobachtungssammlungen, insbesondere in dem Katalog von Schjellerup und den Münchener Sternverzeichnissen Positionen vorliegen, aber eine absolute Vollständigkeit in dieser Richtung, hauptsächlich wegen der Lichtschwäche mancher namentlich Münchener Sterne nicht erreicht. Die Sterne der letzteren Kategorie — 879 — sind im Katalog durch Einschließung der B.D.-Nummern in Klammern gekennzeichnet; dasselbe Merkmal tragen 3 hellere Sterne, die außerhalb der programmäßigen Grenzen $-1^\circ 50'$ und $-6^\circ 10'$ (1855) liegen. Endlich sind noch 6 schwächere Sterne aufgenommen, die in der B.D. nicht enthalten sind. Nach Abzug der 52 in dem Gürtel vorkommenden Anhaltsterne verbleiben 8152 Sterne, für die der Katalog Örter gibt.

Die Anzahl der Beobachtungen der einzelnen Sterne ist stark verschieden und schwankt zwischen der Mindestzahl 2 und der allerdings nur in einigen Fällen vorkommenden Maximalzahl 10; mehr als dreimal sind 25 Prozent, mehr als viermal 10 Prozent der Sterne beobachtet. Die ganze Summe der Beobachtungen beträgt 23763, so daß im Durchschnitt 2.92 Beobachtungen auf den Stern kommen; ein Veränderlicher mußte mikrometrisch angeschlossen werden. Die Mehrzahl der vier- und mehrmal beobachteten Sterne gehört mit etwa 57 Prozent den A.R.-Stunden 20—0 an, während in den Stunden 7—11 nicht ganz 8 Prozent mehr als dreimal beobachtet sind. Diese Ungleichförmigkeit erklärt sich hauptsächlich daraus, daß eine größere Anzahl der im Beginn der Arbeit beobachteten Zonen aus später zu erwähnenden Gründen wiederholt worden ist, und daß ferner vielfach ganze Zonen wegen schlechter Luftverhältnisse von den Beobachtern als äußerst unsicher und selbst wertlos eingeschätzt und von neuem auf die Beobachtungsliste gesetzt wurden. Am meisten sind hiervon die A.R.-Stunden betroffen, welche in die an sich weniger günstigen Wintermonate fallen. Es hat sich nachher herausgestellt, daß der unmittelbar bei der Beobachtung empfangene Eindruck vielfach trügerisch war und daß die Qualität der Bilder und auch die Lichtschwäche die Genauigkeit der Registrierung und Pointierung nicht in dem Maße beeinflußt haben, wie es nach den Angaben der Beobachter hätte erwartet werden müssen; vielleicht hat die gesteigerte Aufmerksamkeit und das Bemühen, auch unter den ungünstigeren Verhältnissen brauchbare Resultate zu erzielen, eine gewisse Kompensation herbeigeführt.

In einem Anhang (I) folgen noch 107 außerhalb des Programms nur einmal beobachtete und daher in ihren Koordinaten weniger verbürgte Sterne. 91 derselben sind schwächere Sterne der Zonen -1° (B.D. III) und -2° bis -6° (B.D. VIII), ein Stern $8^{\mathrm{m}}.9$ gehört zu den von Schönfeld mitbeobachteten Sternen der Zone -1°, 2 Sterne sind Begleiter von B.D.-Sternen und 13 kommen in der Durchmusterung nicht vor.

Den vorwiegendsten Anteil an den Beobachtungen haben die Herren W. F. Wislicenus (†) mit 21 Prozent, J. Halm mit 38 Prozent, M. Zwink mit 37 Prozent der Gesamtzahl; außerdem haben beigetragen E. Becker 753, B. Wanach 76 und K. Necker (†) 5 Beobachtungen. Daß durch die Beteiligung so vieler verschiedener

Beobachter die Homogenität des Kataloges gelitten hat, ist kaum zu bezweifeln, allein einerseits mußte mit den gegebenen Verhältnissen gerechnet werden und anderseits habe ich es bei dem größeren von den Herren Halm und Zwink ausgeführten Teil für angezeigt gehalten, beide Meridianbeobachter in gleicher Weise an den Sternbeobachtungen teilnehmen lassen zu sollen, um das Interesse an einer Arbeit, die für den lediglich mit der Kreisablesung betrauten Beobachter leicht etwas Ermüdendes hat, wachzuhalten. Die Beobachtungen nahmen am 14. Juli 1888 ihren Anfang und konnten am 11. Juli 1892 in der Hauptsache als vollendet gelten, indem die namentlich an den dichter besetzten Stellen des Himmels verbliebenen Lücken leicht in den nächsten zwei oder drei Jahren im Anschluß an die laufenden Programmarbeiten ausgefüllt werden konnten. Es ist dies allerdings nur zum Teil gelungen; bei der Katalogisierung stellte sich heraus, daß eine nicht unerhebliche Anzahl von Sternen übersehen oder nur einmal beobachtet worden war und andere noch einer Kontrollbeobachtung bedurften. Diese nachträglichen Bestimmungen sind in den Jahren 1903—05 von mir ausgeführt und in der obigen Zahl bereits enthalten. Die Beobachtungen wurden im allgemeinen von zwei Beobachtern gemacht, von denen der eine am Fernrohr, der andere am Kreis tätig war; erst in späterer Zeit, als die Beobachtungsliste größere Lücken aufwies, hat mehrfach derselbe Beobachter die Sternbeobachtungen und die Kreisablesungen ausgeführt. Als Beobachter am Kreise haben außer den bereits genannten Herren mitgewirkt die jeweiligen Assistenten der Sternwarte: L. Stutz (23 Zonen), A. Kaufmann (45 Zonen), K. Schiller (17 Abende), E. Redlich (1 Abend); bei 4 Zonen hatte der frühere Observator der Sternwarte Herr H. Kobold die Gefälligkeit einzutreten. Ein ausführliches Verzeichnis der beobachteten Zonen und der Abende mit Einzelbeobachtungen von Zonensternen ist nach der Einleitung, S. (20) bis (30), gegeben.

Instrument und Beobachtungsverfahren.

Als Instrument für die Ausführung der Zonenarbeit diente der in Band I der Annalen beschriebene Meridiankreis von A. Repsold u. Söhne in Hamburg. Das von S. Merz gelieferte Objektiv ist, was Schärfe der Bilder und Lichtstärke angeht, gleich ausgezeichnet und gestattet bei passender Beleuchtung und Tönung des Gesichtsfeldes unter günstigen Luftverhältnissen schwächere Sterne bis 9ᵐ5 noch mit genügender Sicherheit zu beobachten. Leider sind aber Nächte, die die letztere Bedingung erfüllen, hier die selteneren und die über dem Rheintal lagernden Dünste erschweren häufig die Beobachtung von schwachen Objekten, selbst wenn sie eine Meridianhöhe von 35°, nahe die mittlere Höhe der Zone, erreichen. Die angewandte Vergrößerung war bis auf vereinzelte Fälle, in denen ein etwas schwächeres Okular benutzt wurde, eine 216fache. Für die Zonenbeobachtungen war das Fernrohr eigens mit einem Fadennetz von 25 festen Vertikalfäden versehen worden, die in 5 Gruppen zu je 5 Fäden angeordnet waren; innerhalb jeder Gruppe folgten sich die Fäden in Abständen zwischen 2.4 und 3.8 Sekunden, während die Intervalle zwischen den Gruppen 8^s—10^s betrugen; innerhalb der genannten Grenzen wechselten die Abstände derartig, daß der Beobachter keine Gefahr lief, bei der Registrierung in ein bestimmtes Tempo zu verfallen; auch konnten die beobachteten Fäden meist unzweideutig herausgefunden werden, wenn eine Angabe darüber zufällig unterblieben oder unrichtig war.

Die Durchgänge der Zonensterne wurden in der Regel an einer 5er-Gruppe, die der Anhaltsterne an 3 Gruppen registriert. Als Arbeitsuhr diente die mit einem Krilleschen Quecksilberunterbrecher versehene und in dem an den Meridiansaal anstoßenden Passagensaal befindliche Pendeluhr von Petit, deren Beziehung zu der Hauptuhr Knoblich 1963 durch automatische Signale ermittelt wurde. Da diese Vergleichungen gewöhnlich nur vor und nach jeder Zone, selten innerhalb derselben vorgenommen worden sind, so ist zwar der nächste Zweck, die vollständige Ausschaltung der Arbeitsuhr, nicht erreicht, vielmehr nur eine für die Reduktion der Beobachtungen brauchbare Kontrolle des mittleren Uhrganges innerhalb der Zone erlangt worden; übrigens wird bei der Kürze der hier in Betracht kommenden, selten 1½—2 Stunden übersteigenden Zeitintervalle der wirkliche Uhrgang im allgemeinen nur unerheblich von dem mittleren abgewichen sein. Als eine lästige Störung wurde übrigens das nicht ganz seltene Versagen der Schreibfedern des Hippschen Chronographen empfunden, wodurch trotz der durch seine Aufstellung im Beobachtungsraum selbst möglichen und tatsächlich auch tunlichst oft geübten Kontrolle wiederholt Beobachtungen der Durchgänge verloren gegangen, die Deklinationen wegen Unkenntnis der Einstellungszeit geschädigt worden sind.

Ein näheres Eingehen auf die Instrumentalfehler ist hier nicht am Platz, es können folgende Bemerkungen genügen. Obwohl bei der Äquatornähe der Zone die Deklination der Achse nur einen sehr geringen Einfluß hat, wurde die Aufstellung des Instruments meist unmittelbar vor und nach jeder Zone durch Nivellierung und Einstellung der Miren bestimmt, nur in ganz vereinzelten Fällen mußte sie durch Interpolation aus den einschließenden Tagen abgeleitet werden. Das Verhalten des Instruments war, wie nicht anders erwartet werden konnte, durchaus zufriedenstellend, die mittlere stündliche Änderung in den beiden Koordinaten m und n hielt sich innerhalb 0ˢ01, so daß für jede Zone ein konstanter Wert von n angenommen werden konnte. Der Kollimationsfehler wurde, auch mit Rücksicht auf die anderweitigen Meridianbeobachtungen, in der hier üblichen Weise durch Umlegen des Instruments auf beide Kollimatoren und Beobachtung des Spiegelbildes des Mittelfadens in beiden Achsenlagen, in durchschnittlich 16-tägigen Intervallen bestimmt; für die Reduktion wurden Mittelwerte benutzt, die in angemessener Weise aus den einzelnen Bestimmungen abgeleitet waren.

Zur Bestimmung der Deklinationen war das Fadennetz mit einem horizontalen Fadenpaar von 13" Weite versehen, in dessen Mitte die Zonensterne gewöhnlich einmal, die Anhaltsterne zur Erhöhung der Sicherheit der Äquatorpunkte und zugleich behufs einer fortlaufenden Kontrolle der Fadenneigung dreimal eingestellt wurden. Für die Ablesung des Kreises wurde auf Grund früherer Erfahrungen die Benutzung eines Mikroskopes für ausreichend erachtet. Um aber dem zweiten Beobachter die Möglichkeit zu gewähren, die Kreisablesung machen und das Fernrohr auf die Objekte richten zu können, ohne seinen Platz wechseln zu müssen, wurde die südliche Hälfte des Einstellrohres in ein Mikrometermikroskop umgewandelt. Dieses Rohr liegt bekanntlich in der Nähe des unteren Kreisrandes, parallel zur Kreisfläche, und besteht aus zwei optischen Systemen, die durch zwei etwas gegeneinander geneigte Prismen getrennt sind, in der Weise daß die Absehenslinie von der Nord- und von der Südseite auf nahe dieselbe Kreisstelle trifft. Die besagte Änderung wurde in der Hamburger Werkstätte ausgeführt, wobei das Mikrometer einem der beiden überzähligen zu Teilfehleruntersuchungen dienenden Mikroskope entlehnt, das Objektiv aber zur Erzielung der nötigen Vergrößerung durch ein neues ersetzt wurde; auch das zugehörige Prisma wurde erneuert und zugleich so gerichtet, daß die Strahlen parallel zur Umdrehungsachse des Meridianinstruments verliefen. Mittels dieser Einrichtung war der Bequemlichkeit der dem zweiten Beobachter obliegenden Funktionen in bester Weise Rechnung getragen; auch die Sicherheit der Ablesung war trotz der etwa nur halb so starken Vergrößerung, infolge der größeren Schärfe und Sauberkeit der Striche, völlig genügend; nach den Versuchen, die ich teils selbst machte, teils von anderen anstellen ließ, erreichte der wahrscheinliche Fehler einer Einstellung eines Striches nicht 0".2 oder überschritt diese Grenze nur unerheblich. Gleichwohl sah ich mich veranlaßt, nachdem bereits eine größere Anzahl von Zonen (45) beobachtet worden war, die Einrichtung wieder aufzugeben und zu der sehr viel unbequemeren Benutzung eines der regulären Mikroskope (Süd oben) überzugehen. Die von den Beobachtern erreichte Genauigkeit blieb, soweit sich aus dem damaligen nicht über das erste Stadium hinausgelangten Stand der Reduktion schließen ließ, merklich hinter der Grenze zurück, die der Qualität des Instruments und dem Charakter der Beobachtungen angemessen schien. Sämtliche bisher beobachtete Zonen wurden daher von neuem auf die Beobachtungsliste gesetzt und mit dem veränderten Modus in der Kreisablesung eine neue Serie begonnen. Erst die Ausführung der vollständigen Reduktion hat einen sicheren Maßstab zur Beurteilung des Wertes der Zonen der ersten Serie geliefert und meine frühere Meinung einigermaßen verbessert. Bleiben die Beobachtungen der Deklinationen in innerer Genauigkeit auch hinter denen der späteren Zeit zurück, so habe ich doch — namentlich im Hinblick auf den Gewinn, der aus der größeren Anzahl verschiedener Teilstriche entspringt — kein Bedenken getragen, ihnen im allgemeinen und abgesehen von besonderen Fällen, in denen die Beobachtung mehr oder weniger verfehlt erschien, dasselbe Stimmrecht einzuräumen. Die Zonen der ersten Serie sind im Katalog durch Einschließung ihrer Nummer in eine runde Klammer gekennzeichnet.

Bei allen Ablesungen wurden die beiden den Nullpunkt einschließenden Striche, bei den Zonen der ersten Serie mit einem und demselben Fadenpaar, bei denen der zweiten der voraufgehende Strich mit dem Hauptfadenpaar, der nachfolgende mit dem nahe 1r.5 abstehenden Nebenfadenpaar eingestellt. Der Winkelwert der Schraube wurde bei der ersten Reihe aus den Beobachtungen selbst abgeleitet, für die Hauptreihe dagegen konnten die Werte benutzt werden, die für die übrigen Meridianbeobachtungen nach dem a. a. O. beschriebenen Verfahren erhalten waren. Zur Übertragung der Ablesung des einen Mikroskops auf den Drehungsmittelpunkt wurde die Exzentrizität des Kreises wiederholt in beiden Lagen bestimmt. Dagegen ist von der Reduktion des einen Strichpaares auf das Mittel der 4 je 90° voneinander abstehenden Paare abgesehen worden, weil die dafür erforderlichen Messungen im Laufe der Zonenarbeit selbst nur zum Teil ausgeführt waren, die nachher aber von anderen Beobachtern und mit inzwischen optisch bedeutend verbesserten Mikroskopen gemachten Bestimmungen vielfach so bedeutende Unterschiede gegen die früheren Resultate ergaben, daß ihre Anwendbarkeit für die Zonenarbeit entschieden in Frage gestellt wurde.

Um den Beobachtungen einen streng differentiellen Charakter zu geben, wurden die Anhaltsterne, soweit es anging, gleichförmig über die Zonen verteilt und die Grenzen der Deklination tunlichst eng gezogen. Dennoch hat es sich, wenn auch nur in Ausnahmefällen, nicht vermeiden lassen, die mittlere Zonendeklination um $\pm 15°$ zu überschreiten. Die mittlere Dauer einer Zone betrug 77^m mit durchschnittlich 6 Anhaltsternen.

Größenschätzungen sind regelmäßig nur von den Beobachtern W und B (Z. 51—59) gemacht worden, während H und Z die Größen nur in vereinzelten Fällen notiert haben. Die im Katalog angesetzten Größen der Zonensterne sind durchweg die der B.D.

Reduktion der Beobachtungen.

Mit Hilfe genäherter stündlicher Uhrgänge wurden für alle Zonen, in denen mindestens 4 Anhaltsterne beobachtet waren, die Abweichungen der Einzelwerte der $\Delta u + m$ gegen die jedesmaligen Mittelwerte gebildet und die nach der Deklination zu Partialmittel vereinigten Werte durch eine Kurve ausgeglichen. Nachdem dann die einzelnen $\Delta u + m$ mit Hilfe der Kurvenwerte verbessert und neue stündliche Uhrgänge abgeleitet waren, wurde eine zweite Näherung gemacht, die nur so geringe Unterschiede gegen die Zahlen der ersten Approximation ergab, daß letztere für die weitere Rechnung unbedenklich beibehalten werden konnten.

Übrigens sind die Verbesserungen an sich sehr gering und hätten füglich ganz außer acht bleiben können; da sie aber benutzt sind, so mögen sie hier angeführt werden.

Systematische Verbesserungen der beobachteten Durchgangszeiten
(in Einheiten von $0^s.001$).

δ	W	O	δ	W	O	δ	W	O	δ	W	O	δ	W	O
+8°	−5	+1	+3°	+2	−2	−2°	+1	+1	− 7°	+4	+2	−12°	−7	−3
+7	+2	+4	+2	+4	0	−3	−2	−2	− 8	+1	−1	−13	−8	−2
+6	+6	+6	+1	+6	+4	−4	−1	−3	− 9	−1	−3	−14	−7	−3
+5	+6	+4	0	+7	+5	−5	+1	−1	−10	−3	−3	−15	−3	−3
+4	+2	0	−1	+4	+4	−6	+5	+3	−11	−5	−3	−16	(+6)	(−6)

An α Can. maj. wurde für den Beobachter H die Spezialkorrektion $-0^s.016$ angebracht.

Bei der Ableitung der definitiven Uhrgänge bzw. der stündlichen Änderungen von $\Delta u+m$ ist eine gewisse Willkür nicht zu vermeiden gewesen. Im allgemeinen beruhen sie auf den Beobachtungen desselben Abends und sind, wenn nur eine Zone beobachtet war, linear nach der Methode d. kl. Qu., bei mehreren Zonen auch aus den Mittelwerten selbst berechnet worden. Bei längerer Dauer einer Zone oder bei Zusammenfassung mehrerer Abendzonen wurde eine parabolische Interpolationsformel der Rechnung zugrunde gelegt. Die so erhaltenen Gänge sind aber in vielen Fällen nicht unmittelbar benutzt, sondern mit den Werten kombiniert worden, die sich aus der automatischen Vergleichung der Arbeitsuhr mit der Hauptuhr Knoblich 1963 und deren mittlerem Gang ergaben. Da letztere in einem Raume aufgestellt ist, wo die Temperatur im Laufe von 24 Stunden kaum und überhaupt nur sehr langsam sich ändert, sie überdies einen hervorragend regelmäßigen Gang hat, so kann der aus ihr abgeleitete stündliche Gang der Arbeitsuhr in der Regel auch als nahe richtig angesehen werden. In nicht seltenen Fällen wich jedoch dieser Gang ziemlich beträchtlich von dem aus den Abendbeobachtungen selbst ermittelten Werte ab, und es mußte erwogen werden, ob diese Differenz überwiegend den Beobachtungsfehlern zur Last gelegt werden durfte — wie es jedenfalls häufiger dann zutraf, wenn einer der Anfangs- oder Endwerte der $\Delta u+m$ stark abwich — oder aus einer im Lauf der Zone eingetretenen Änderung der Auffassung der Sterndurchgänge erklärt werden konnte. Wäre im letzteren Fall die Annahme berechtigt, daß auch die Beobachtung der Zonensterne in nahe gleicher Weise affiziert gewesen sei, so hätte der direkt aus den Anhaltsternen abgeleitete Gang unstreitig den Vorzug verdient; es kann aber mindestens bezweifelt werden, ob jene Annahme in allen Fällen zutrifft, zumal wenn man bedenkt, daß bei geübten Beobachtern eine Auffassungsänderung am ehesten wohl aus einer Änderung der Qualität der Bilder entspringt und hiervon die helleren Anhaltsterne in anderer Weise betroffen werden als die schwächeren Zonensterne. Ich habe es demnach für das geratenste gehalten, kein streng einheitliches Verfahren zu befolgen, sondern von Fall zu Fall zu entscheiden und demnach den einen oder anderen Wert oder eine Kombination aus beiden angewandt.

Für die Deklinationen wurden in ähnlicher Weise wie bei der Rektaszension die systematischen Verbesserungen ermittelt, die an die Kreisablesungen anzubringen waren, um die vom Instrument gelieferten Koordinaten mit denen der Anhaltsterne möglichst in Einklang zu bringen. Nachdem in zweiter Näherung die Spezialkorrektionen für die einzelnen Sterne abgeleitet waren, wurden die nach Deklination geordneten Werte graphisch ausgeglichen und als definitive Verbesserungen für die Anhaltsterne die Mittelwerte aus den beobachteten Zahlen und den Ordinaten der Kurve angesetzt. Hierbei wurden den ersteren die relativen Gewichte gegeben:

$\frac{1}{9}$ wenn der beobachtete Wert auf .... 1 Beob.
$\frac{1}{5}$ » » » » » .... 2 »
$\frac{1}{3}$ » » » » » .... 3-4 »
$\frac{1}{2}$ » » » » » .... 5-6 »
1 » » » » » mehr als 6 » beruhte.

Die angewandten Verbesserungen der Ablesung sind in den beiden folgenden Tabellen enthalten:

Stern	δ	W	O	Stern	δ	W	O	Stern	δ	W	O
ζ Pegasi	+10°3	—	(−0″6)	β Aquilae	+6°2	+0″33	−0″40	δ Virginis	+3°9	+0″26	−0″22
72 Ophiuchi	+ 9.5	+0″5	—	ν Tauri	+5.7	+0.40	−0.43	12 Sextantis	+3.9	+0.34	−0.16
ο Virginis	+ 9.3	—	−0.64	θ Pegasi	+5.7	+0.37	−0.48	α Ceti	+3.7	+0.25	−0.30
ξ² Ceti	+ 8.0	+0.42	−0.59	α Can. min.	+5.5	+0.25	−0.29	67 Ophiuchi	+2.9	+0.01	−0.09
χ Leonis	+ 7.9	+0.39	−0.56	π⁴ Orionis	+5.4	+0.27	−0.31	δ Aquilae	+2.9	0.00	−0.12
α Orionis	+ 7.4	+0.50	−0.56	3 Serpentis	+5.3	+0.37	−0.28	γ Ceti	+2.8	+0.06	−0.08
ε Piscium	+ 7.4	+0.39	−0.48	ι Piscium	+5.1	+0.31	−0.22	θ Hydrae	+2.7	−0.04	−0.24
δ »	+ 7.0	+0.42	−0.50	ν »	+5.0	+0.35	−0.27	γ Ophiuchi	+2.7	0.00	−0.10
ε Hydrae	+ 6.8	+0.41	−0.41	ε Serpentis	+4.8	+0.26	−0.21	γ Piscium	+2.7	+0.07	−0.09
α Serpentis	+ 6.7	+0.29	−0.41	α Equulei	+4.8	+0.22	−0.33	ξ »	+2.7	+0.04	−0.23
σ Leonis	+ 6.6	+0.39	−0.42	8 Monocer.	+4.6	+0.23	−0.30	18 Monocer.	+2.5	+0.04	−0.20
ζ Hydrae	+ 6.3	+0.29	−0.50	β Ophiuchi	+4.6	+0.27	−0.19	β Virginis	+2.3	+0.09	−0.07
ω Piscium	+ 6.3	+0.34	−0.41	66 Orionis	+4.2	+0.31	−0.17	109 Virginis	+2.3	−0.02	−0.23
γ Orionis	+ 6.3	+0.28	−0.44	θ Serpent. pr.	+4.1	+0.12	−0.09	π⁵ Orionis	+2.3	+0.18	−0.15

Stern	δ	W	O
λ Ophiuchi	+2°2	+0°01	−0°17
τ Virginis	+2.0	+0.10	−0.15
14 Ophiuchi	+1.4	−0.25	−0.28
26 Ceti	+0.8	−0.15	−0.19
η Aquilae	+0.7	−0.16	−0.21
κ Piscium	+0.7	−0.22	−0.22
P. VI. 203	+0.6	−0.12	−0.11
ζ Virginis	−0.1	−0.32	+0.09
η »	−0.1	−0.13	−0.08
δ Ceti	−0.1	—	−0.14
υ Leonis	−0.3	−0.36	—
45 Eridani	−0.3	−0.41	+0.17
41 Ophiuchi	−0.3	−0.37	+0.24
η Aquarii	−0.6	−0.41	−0.15
8 Serpentis	−0.7	−0.68	0.00
τ² Hydrae	−0.7	−0.37	−0.22
α Aquarii	−0.8	−0.44	−0.07
61 Ceti	−0.8	−0.46	−0.10
γ Virgin. m.	−0.9	—	−0.12
p Virginis	−1.0	−0.53	−0.03
15 Ceti	−1.1	−0.53	−0.06
θ Aquilae	−1.1	−0.53	−0.10
33 Sextantis	−1.2	−0.49	−0.15
e Orionis	−1.3	−0.56	−0.22
P. VIII. 167	−1.5	−0.50	−0.27
24 Eridani	−1.5	−0.51	−0.29
94 Ceti	−1.6	−0.56	−0.24
φ Virginis	−1.8	−0.54	−0.22
p² Leonis	−1.9	−0.49	−0.21
γ Aquarii	−1.9	−0.55	−0.22
12 Ophiuchi	−2.1	−0.76	−0.15
ε Leonis	−2.5	−0.51	−0.21
η Orionis	−2.5	−0.50	−0.31
M. 499	−2.6	−0.48	−0.35
62 Ceti	−2.8	−0.29	−0.45
η Serpentis	−2.9	−0.30	−0.44
70 Aquilae	−2.9	−0.37	−0.27
ε »	−3.0	−0.21	−0.35
39 Ceti	−3.0	−0.32	−0.31
φ Leonis	−3.1	−0.21	−0.31
Lal. 11382	−3.1	−0.29	−0.30
μ Serpentis	−3.1	−0.40	−0.37
4 Ceti	−3.1	−0.41	−0.35
27 Monocer.	−3.4	−0.11	−0.25
δ Ophiuchi	−3.4	−0.09	−0.23
μ Eridani	−3.4	−0.04	−0.32
o Ceti	−3.4	−0.10	−0.25
25 Sextantis	−3.6	+0.02	−0.28
Br. 1197	−3.6	−0.16	−0.22
ν Eridani	−3.6	−0.04	−0.31
6 Sextantis	−3.8	−0.12	−0.10
81 Ceti	−3.8	−0.04	−0.10
25 Monocer.	−3.9	−0.06	−0.10
ξ Eridani	−4.0	+0.03	−0.06
M. 510	−4.1	+0.02	−0.11
30 Ophiuchi	−4.1	+0.02	−0.33
20 Monocer.	−4.1	+0.06	−0.21
19 »	−4.1	+0.09	+0.01
27 Piscium	−4.1	+0.13	−0.06
e Ophiuchi	−4.4	+0.47	+0.01
12 Ceti	−4.5	+0.22	+0.16
10 Monocer.	−4.7	+0.36	+0.11

Stern	δ	W	O
P. XXI. 320	− 4°7	+0°34	+0°17
6 H. Scuti	− 4.9	+0.34	+0.16
θ Virginis	− 5.0	+0.31	+0.12
27 H. Ophiuchi	− 5.0	+0.47	+0.01
16 Aquarii	− 5.0	+0.44	+0.18
λ Aquilae	− 5.0	+0.51	+0.03
11 Aquarii	− 5.1	+0.51	+0.06
μ Virginis	− 5.2	+0.61	+0.28
β Eridani	− 5.2	+0.38	+0.07
Br. 3033	− 5.3	+0.43	+0.05
17 Eridani	− 5.4	+0.35	+0.23
ι Virginis	− 5.5	+0.37	+0.09
30 Eridani	− 5.7	+0.38	+0.25
M. 522	− 5.8	+0.25	+0.21
72 Virginis	− 6.0	+0.31	+0.03
ι Orionis	− 6.0	+0.36	+0.15
β Aquarii	− 6.0	+0.23	+0.14
5 Monocer.	− 6.2	+0.29	+0.20
P. I. 167	− 6.2	+0.23	+0.10
15 Hydrae	− 6.8	+0.05	+0.31
67 Ceti	− 6.9	+0.13	—
τ Orionis	− 7.0	−0.06	+0.28
Br. 1462	− 7.1	−0.04	+0.28
Lal. 38458	− 7.1	+0.01	+0.31
o¹ Eridani	− 7.1	+0.01	+0.26
κ Aquilae	− 7.2	0.00	+0.27
χ Virginis	− 7.4	−0.04	+0.26
22 Sextantis	− 7.6	+0.03	+0.21
Br. 1212	− 7.6	+0.08	+0.13
M. 974	− 8.0	+0.15	+0.32
μ Ophiuchi	− 8.1	+0.15	+0.23
δ Librae	− 8.1	+0.09	+0.16
20 Aquilae	− 8.1	+0.05	+0.16
λ Aquarii	− 8.1	+0.09	+0.32
19 Hydrae	− 8.2	+0.30	+0.42
m Virginis	− 8.2	+0.11	+0.24
α Hydrae	− 8.2	+0.12	+0.28
h Aquarii	− 8.2	+0.11	+0.27
θ »	− 8.3	+0.14	+0.17
β Orionis	− 8.3	+0.18	+0.26
41 Sextantis	− 8.4	+0.11	+0.19
5 H. Scuti	− 8.4	+0.18	+0.24
θ Ceti	− 8.7	+0.21	+0.36
P. VII. 85	− 8.8	+0.30	+0.14
λ Eridani	− 8.9	+0.21	+0.27
ψ Virginis	− 9.0	+0.19	+0.23
β Librae	− 9.0	+0.17	+0.21
θ Crateris	− 9.2	+0.23	+0.16
ζ Eridani	− 9.2	+0.22	+0.25
26 Monocer.	− 9.3	+0.06	+0.20
η Eridani	− 9.3	+0.17	+0.22
ι Ceti	− 9.4	+0.15	+0.18
37 Librae	− 9.7	+0.17	+0.14
κ Orionis	− 9.7	+0.01	+0.29
ν Ophiuchi	− 9.8	+0.16	+0.20
κ Virginis	− 9.8	+0.05	+0.11
e Eridani	− 9.8	+0.19	+0.22
Lal. 22585	− 9.9	+0.03	+0.16
e Aquarii	− 9.9	+0.04	+0.16
δ Eridani	−10.1	+0.05	+0.10
M. 842	−10.2	+0.02	+0.16
A Eridani	−10.5	0.00	+0.03

Stern	δ	W	O
M. 986	−10°5	+0°12	+0°07
α Virginis	−10.6	+0.04	+0.05
20 Ophiuchi	−10.6	+0.22	+0.09
6 Monocer.	−10.7	+0.08	−0.06
η Ceti	−10.7	+0.09	+0.17
ζ »	−10.8	—	+0.18
15 Librae	−11.0	+0.06	+0.23
51 Aquilae	−11.0	0.00	+0.11
Br. 2329	−11.1	−0.04	+0.10
σ Aquarii	−11.2	−0.08	+0.15
19 Ceti	−11.2	0.00	+0.11
2 Librae	−11.3	−0.14	+0.06
P. VII. 116	−11.4	−0.08	+0.15
κ Crateris	−11.8	−0.15	+0.17
ν Aquarii	−11.8	−0.09	+0.18
22 Ceti	−11.8	−0.08	+0.12
λ Capricorni	−11.8	0.00	+0.20
λ Hydrae	−11.9	+0.05	+0.18
θ Can. maj.	−11.9	−0.14	+0.29
6 Hydrae	−12.1	−0.01	+0.25
Lal. 16304	−12.3	−0.14	+0.05
11 Scorpii	−12.5	+0.03	+0.13
ν² Hydrae	−12.6	—	+0.14
64 Eridani	−12.7	−0.03	+0.20
ρ Ceti	−12.7	−0.10	+0.28
o Serpentis	−12.8	−0.07	+0.19
9 Ceti	−12.8	−0.02	+0.20
α² Capricorni	−12.9	+0.03	+0.15
P. XII. 54	−13.0	−0.06	+0.19
Lal. 6476	−13.0	—	+0.15
9 Navis	−13.6	−0.01	0.00
γ Eridani	−13.8	−0.04	+0.19
κ Hydrae	−13.9	−0.14	+0.14
63 Sagittarii	−13.9	−0.03	+0.12
48 Librae	−14.0	+0.05	+0.13
50 Aquarii	−14.0	−0.04	+0.11
τ »	−14.1	−0.04	+0.19
δ Crateris	−14.2	+0.04	—
η Leporis	−14.2	−0.16	+0.23
π Ceti	−14.3	−0.03	+0.13
4 Navis	−14.3	−0.03	+0.21
53 Eridani	−14.5	−0.08	+0.06
2 H. Scuti	−14.6	−0.04	+0.21
ζ Leporis	−14.9	+0.09	−0.04
β Capricorni	−15.1	+0.21	−0.05
ω² Aquarii	−15.1	+0.06	+0.02
ξ Serpentis	−15.3	+0.11	—
P. XVIII. 260	−15.4	+0.25	−0.06
20 Navis	−15.5	+0.19	−0.06
α Librae	−15.6	+0.26	−0.11
η Ophiuchi	−15.6	+0.28	−0.18
σ Ceti	−15.7	+0.20	0.0
P. VIII. 227	−15.8	+0.19	−0.1
50 Ceti	−15.9	+0.1	−0.2
δ Corvi	−16.0	+0.3	−0.2
ν Sagittarii	−16.1	+0.1	−0.1
μ Hydrae	−16.3	—	−0.1
32 Librae	−16.4	+0.2	−0.1
η Crateris	−16.6	+0.2	—
α Can. maj.	−16.6	+0.3	−0.1
δ Capricorni	−16.6	—	−0.1

δ	W	O	δ	W	O	δ	W	O	δ	W	O	δ	W	O
−1°8	−0°55	−0°23	−2°7	−0°44	−0°31	−3°6	−0°07	−0°24	−4°5	+0°25	+0°01	−5°4	+0°40	+0°13
−1.9	−0.55	−0.24	−2.8	−0.41	−0.32	−3.7	−0.03	−0.22	−4.6	+0.28	+0.03	−5.5	+0.39	+0.14
−2.0	−0.54	−0.25	−2.9	−0.36	−0.32	−3.8	0.00	−0.18	−4.7	+0.31	+0.05	−5.6	+0.37	+0.15
−2.1	−0.54	−0.27	−3.0	−0.31	−0.32	−3.9	+0.04	−0.14	−4.8	+0.34	+0.07	−5.7	+0.35	+0.16
−2.2	−0.53	−0.28	−3.1	−0.27	−0.31	−4.0	+0.08	−0.11	−4.9	+0.36	+0.08	−5.8	+0.33	+0.17
−2.3	−0.52	−0.29	−3.2	−0.23	−0.31	−4.1	+0.11	−0.08	−5.0	+0.38	+0.09	−5.9	+0.31	+0.18
−2.4	−0.51	−0.30	−3.3	−0.19	−0.30	−4.2	+0.13	−0.05	−5.1	+0.39	+0.10	−6.0	+0.29	+0.18
−2.5	−0.49	−0.30	−3.4	−0.15	−0.29	−4.3	+0.17	−0.03	−5.2	+0.40	+0.11	−6.1	+0.26	+0.19
−2.6	−0.47	−0.31	−3.5	−0.11	−0.27	−4.4	+0.21	−0.01	−5.3	+0.40	+0.12	−6.2	+0.24	+0.19

Die vorstehenden Zahlen gelten nur für die zweite Serie, bei der ersten Reihe war die Zahl der Anhaltspunkte für eine genügende Bestimmung der systematischen Verbesserungen nicht ausreichend.

Über den Äquatorpunkt des Kreises ist folgendes zu bemerken. Die mittlere stündliche Veränderung wurde aus der zweiten Serie gefunden:

	für die erste		für die zweite (und dritte)	
	am Abend beobachtete Zone			
	Kr. W	Kr. O	Kr. W	Kr. O
Okt. — März	$-0''15$	$+0''35$	0.00	$+0''22$
April — Sept.	−0.09	+0.37	0.00	+0.22

Von diesen Durchschnittswerten ist teils direkt, teils in Verbindung mit den jeweilig gefundenen Abendwerten der stündlichen Variation in solchen Fällen Gebrauch gemacht, wo eine Änderung mehr oder weniger angedeutet war; bei Zonen von größerer Ausdehnung oder auch, wenn mehrere Zonen beobachtet waren, wurde die stündliche Änderung aus sämtlichen Beobachtungen des Abends linear oder unter Hinzunahme eines t^2-Gliedes abgeleitet. In der Mehrzahl der Fälle und bei den Zonen der ersten Serie durchweg wurde mit einem konstanten Äquatorpunkt gerechnet.

Unterschiede der Kreislagen und mittlere Beobachtungsfehler.

Die Unterschiede zwischen den beiden Kreislagen wurden für die Hauptbeobachter, gesondert nach vier Helligkeitsklassen — hellere Sterne bis 5^m9, 6^m0—7^m9, 8^m0—8^m9 und 9^m0—9^m5 — ermittelt und, da eine Abhängigkeit von der Größe nicht vorhanden schien, in Mittelwerte zusammengezogen. Es fand sich:

W—O

		$\Delta\alpha$		$\Delta\delta$		Anz. d. St.
Beob. W	Serie I	$+0^s016$	m. F. $\pm0^s0033$	$+0''17$	m. F. $\pm0''051$	738 . 720
» »	» II	−0.003	» » ±0.0043	+0.06	» » ±0.049	573
» H	» »	+0.005	» » ±0.0011	−0.11	» » ±0.015	2643 . 2651
» Z	» »	−0.004	» » ±0.0013	−0.21	» » ±0.018	2623 . 2619

Während die Unterschiede in Deklination für die beiden Beobachter H und Z als ziemlich verbürgt gelten können und zur Übertragung auf das Lagenmittel gedient haben, sind die Werte für den Beobachter W wegen der geringeren Anzahl von Abenden und der im Beginn der Arbeit häufigeren Durchbeobachtung derselben Zonen in beiden Kreislagen wohl noch in merklichem Grade mit dem Einfluß der konstanten Abendfehler behaftet; sie kommen übrigens nicht in Betracht, da die weitere Reduktion für diesen Beobachter getrennt für beide Lagen ausgeführt ist. Für den Beobachter B ist nur eine Vergleichung von 2 Westzonen mit 2 korrespondierenden Ostzonen möglich, so daß hier die Abendfehler stark zur Geltung kommen.

Aus Z. 59 — Z. 54 folgt W — O:	-0^s046	$+0''08$	54 St.
58 — 57	−0.007	−0.27	52 »

(In Zone 54 ist der Uhrgang anscheinend nicht regelmäßig gewesen.)

Aus der Vergleichung der Mittelwerte W—O jeder Helligkeitsklasse mit den Einzelwerten haben sich folgende Beträge für den mittleren Fehler einer Beobachtung ergeben:

	W I. Serie			W II. Serie		
	in α	in δ	Anz. d. St.	in α	in δ	Anz. d. St.
$\geqq 5.9$	$\pm0^s064$	$\pm0''75$	7 . 6	$\pm0^s080$	$\pm0''59$	6
6.0 — 7.9	±0.055	±1.04	106 . 104	±0.068	±0.74	106
8.0 — 9.0	±0.063	±0.97	496 . 487	±0.075	±0.84	396
$\leqq 9.1$	±0.075	±1.01	129 . 123	±0.079	±0.98	65
i. D. für alle Sterne	±0.064	±0.98	738 . 720	±0.074	±0.84	573

	H			Z		
	in α	in δ	Anz. d. St.	in α	in δ	Anz. d. St.
$\geqq 5.9$	$\pm0^s037$	$\pm0''76$	15	$\pm0^s042$	$\pm0''62$	20
6.0 — 7.9	±0.037	±0.58	347 . 348	±0.044	±0.64	374 . 372
8.0 — 9.0	±0.042	±0.58	1829 . 1833	±0.049	±0.71	1811 . 1812
$\leqq 9.1$	±0.048	±0.60	453 . 455	±0.056	±0.69	418 . 415
i. D. für alle Sterne	±0.042	±0.59	2644 . 2651	±0.049	±0.70	2623 . 2619

Während bei den drei Beobachtern, wenn man die erste nur wenige Sterne enthaltende Klasse außer Betracht läßt, der m. F. in α in nahe gleicher Weise anwächst, bleibt der m. F. in δ für alle Größenklassen fast ungeändert; eine Ausnahme macht nur die zweite Reihe W, bei der eine sehr starke Zunahme des Fehlers mit abnehmender Helligkeit eintritt, die wenigstens teilweise aus dem verschiedenen Verhältnis des Ablesefehlers des Kreises und des Pointierungsfehlers der Sterne in den beiden Reihen erklärt werden kann. Merklich kleinere Zahlen ergeben sich für W II, wenn die je zweimal in derselben Kreislage beobachteten Sterne benutzt werden; dann folgt im Durchschnitt aus allen Größenklassen der m. F. einer Beobachtung $\pm0^s062$ $\pm0''72$ (147 St.), wobei allerdings bemerkt werden muß, daß diese Zahlen aus den 1. Potenzen der Fehler hervorgegangen sind.

Für den Beobachter B fand sich unter Annahme des mittleren Unterschiedes Westzonen — Ostzonen = $-0^{s}.03$ und $-0''.1$ der m. F. einer Beobachtung $\pm 0^{s}.040$ $\pm 0''.59$ (106 St.).

Reduktion auf das Mittel $\frac{1}{2}(H + Z)$.

Als mittlerer Beobachter, auf den sämtliche Örter bezogen wurden, ist das Mittel der beiden Beobachter H und Z gewählt worden, die nicht nur überwiegend, sondern auch in nahe gleichem Maße an den Beobachtungen beteiligt waren. Zur Bestimmung des Unterschiedes H — Z in Rektaszension wurden für die helleren Sterne bis $5^{m}.9$, und weiter von halber zu halber Größenklasse die Stundenmittel berechnet, die in der nachfolgenden Tabelle wiedergegeben sind.

(Einheiten von $0^{s}.001$.)

	≧ 5.9		6.0—6.4		6.5—6.9		7.0—7.4		7.5—7.9		8.0—8.4		8.5—8.9		9.0—9.5	
0^h	− 40	1 St.	+50	1 St.	−57	3 St.	+ 9	9 St.	−39	9 St.	−25	12 St.	−37	33 St.	−27	33 St.
1	− 90	2 »	+30	2 »	+10	4 »	− 7	3 »	0	5 »	−29	16 »	−11	35 »	−27	35 »
2	+ 40	1 »	—	—	−20	1 »	+ 5	6 »	−13	10 »	−29	19 »	− 9	45 »	−19	49 »
3	− 27	4 »	—	—	—	—	−13	6 »	+ 4	9 »	−62	17 »	−26	41 »	+ 2	42 »
4	—	—	+40	1 »	—	—	− 8	4 »	+70	3 »	−19	12 »	− 1	21 »	− 8	35 »
5	+ 5	2 »	−70	1 »	+23	3 »	+ 2	4 »	−24	8 »	− 6	26 »	−33	45 »	−31	78 »
6	+ 10	4 »	−10	2 »	0	1 »	−17	7 »	−17	6 »	−24	20 »	−37	51 »	−51	97 »
7	+ 5	2 »	−60	1 »	−22	5 »	−12	4 »	−10	5 »	−17	31 »	−50	54 »	−46	88 »
8	—	—	−30	1 »	−90	2 »	−42	5 »	−39	10 »	−36	26 »	−53	54 »	−62	59 »
9	− 65	2 »	+10	2 »	+40	3 »	−16	9 »	+ 3	9 »	−20	24 »	−36	47 »	−60	58 »
10	—	—	+30	1 »	−60	1 »	+38	6 »	−12	5 »	−46	5 »	− 6	32 »	−41	49 »
11	—	—	−60	1 »	− 5	2 »	−70	1 »	−43	3 »	− 2	10 »	−48	22 »	−87	33 »
12	—	—	− 2	4 »	+31	7 »	+10	5 »	+ 6	7 »	− 7	17 »	+ 3	24 »	−13	38 »
13	—	—	+40	2 »	−10	1 »	+25	4 »	− 3	6 »	− 1	17 »	− 5	24 »	−41	31 »
14	—	—	—	—	+10	1 »	+95	2 »	+10	2 »	+38	9 »	−20	10 »	−30	22 »
15	—	—	—	—	—	—	—	—	+70	2 »	+43	3 »	+51	8 »	+27	29 »
16	—	—	—	—	+70	1 »	—	—	—	—	+80	3 »	− 7	6 »	− 4	8 »
17	+ 60	1 »	−25	2 »	+42	4 »	+20	3 »	+ 5	6 »	+52	13 »	+31	31 »	+22	17 »
18	− 10	2 »	—	—	+20	1 »	0	2 »	+30	5 »	+15	18 »	+ 1	28 »	−13	36 »
19	—	—	+50	1 »	—	—	0	1 »	−45	2 »	+ 1	9 »	−24	16 »	−27	65 »
20	+ 5	2 »	—	—	+45	2 »	+70	1 »	−20	3 »	+18	5 »	− 5	12 »	− 8	52 »
21	+110	1 »	—	—	0	4 »	+43	3 »	−12	6 »	+10	11 »	+19	29 »	+ 3	52 »
22	—	—	+20	2 »	—	—	−17	3 »	+54	5 »	− 8	10 »	− 6	25 »	−11	40 »
23	−130	1 »	—	—	—	—	+50	1 »	−30	2 »	−50	3 »	−10	13 »	−29	15 »
Mittel nach St.	− 13	25 »	+ 3	24 »	+ 5	46 »	+ 3	89 »	− 6	128 »	−12	336 »	−20	706 »	−29	1061 »
Einf. Mittel	− 10	—	+ 1	—	+ 1	—	+ 7	—	− 2	—	− 5	—	−13	—	−24	—

Hieraus ergab sich, wenn $H - Z = (H - Z)_\alpha + (H - Z)_m$ gesetzt wird, in zweiter Näherung:

$(H-Z)_\alpha$		$(H-Z)_\alpha$		$(H-Z)_\alpha$		$(H-Z)_\alpha$		$(H-Z)_m$		$(H-Z)_m$	
0^h	$-0^{s}.011$	6^h	$-0^{s}.015$	12^h	$-0^{s}.010$	18^h	$+0^{s}.026$	$5^{m}.4$	$-0^{s}.003$	$7^{m}.7$	$+0^{s}.003$
1	−0.007	7	−0.021	13	+0.005	19	+0.023	6.2	+0.007	8.2	−0.005
2	−0.005	8	−0.025	14	+0.017	20	+0.016	6.7	+0.008	8.7	−0.014
3	−0.004	9	−0.026	15	+0.024	21	+0.008	7.2	+0.007	9.2	−0.025
4	−0.006	10	−0.026	16	+0.026	22	−0.001				
5	−0.010	11	−0.020	17	+0.026	23	−0.007				

In Deklination war ein Einfluß der Helligkeit nicht bemerkbar; die aus sämtlichen Größenklassen zusammengezogenen stündlichen Mittelwerte sind:

0^h	$+0''.24$	102 St.	6^h	$+0''.30$	188 St.	12^h	$+0''.04$	102 St.	18^h	$-0''.02$	92 St.
1	+0.11	102 »	7	−0.02	192 »	13	+0.10	85 »	19	+0.18	96 »
2	−0.11	131 »	8	−0.08	156 »	14	−0.24	46 »	20	+0.08	81 »
3	+0.15	117 »	9	+0.07	154 »	15	−0.30	42 »	21	+0.04	106 »
4	−0.08	76 »	10	−0.05	99 »	16	−0.52	20 »	22	−0.24	84 »
5	−0.14	174 »	11	−0.22	72 »	17	+0.27	77 »	23	0	34 »

Das Mittel nach Sternen ist $+0''.02$ (2428 St.), das einfache Mittel $-0''.01$, eine Abhängigkeit von der Rektaszension nur schwach vorhanden.

Zur Reduktion von W I auf den mittleren Beobachter (M) wurden für jede Zone die Unterschiede M — W gebildet und ohne Rücksicht auf das Gewicht von M gemittelt. Dabei wurden wieder vier Helligkeitsklassen unterschieden: I hellere Sterne bis $6^{m}.5$ mit Ausschluß eines Sternes $2^{m}.0$, II $6^{m}.6 - 7^{m}.9$, III $8^{m}.0 - 9^{m}.0$, IV $9^{m}.1 - 9^{m}.5$, die im Mittel aus den einzelnen Zonen folgende Unterschiede gaben:

	I				III			
W	$6^{m}.14$	$-0^{s}.011$	$+0''.02$	28 St.	$8^{m}.69$	$-0^{s}.061$	$+0''.09$	663. 646 St.
O	.11	−0.026	+0.55	25 »	.69	−0.049	+0.29	639. 631 »
W u. O	.13	−0.018	+0.27	53 »	.69	−0.055	+0.19	1302. 1277 »
	II				IV			
W	$7^{m}.32$	$-0^{s}.052$	$+0''.17$	114. 107 St.	$9^{m}.24$	$-0^{s}.060$	$-0''.06$	174. 171 St.
O	.37	−0.044	+0.37	121 »	.24	−0.052	+0.17	192. 188 »
W u. O	.34	−0.048	+0.28	235. 228 »	.24	−0.056	+0.06	366. 359 »

Auf Klasse III übertragen werden damit die Differenzen M—W für die einzelnen Zonen:

Z.	Kr.	M—W		Anz. d. St.	Z.	Kr.	M—W		Anz. d. St.	Z.	Kr.	M—W		Anz. d. St.
(1)	O	$-0^{s}.069$	$-0^{''}.25$	30	(14)	O	$-0^{s}.058$	$+0^{''}.24$	40	(29)	W	$-0^{s}.056$	$+0^{''}.73$	49. 46
(1ᵃ)	»	−0.040	+1.09	14	(15)	»	−0.042	−0.01	38	(30)	»	−0.040	−0.18	34. 33
(2)	»	−0.040	+0.68	44	(16)	»	−0.015	+0.22	51	(31)	»	−0.013	−0.43	50. 49
(3)	»	−0.078	+0.06	52. 48	(17)	»	−0.025	+0.59	49	(32)	»	−0.067	−0.09	41. 37
(3ᵃ)	»	−0.108	+1.01	24	(18)	»	−0.039	+0.29	53	(33)	»	−0.094	+0.05	46
(4)	»	−0.093	+0.07	49	(19)	»	−0.030	+0.27	57. 53	(34)	»	−0.087	+0.08	36
(5)	»	−0.017	+0.92	52. 50	(20)	»	−0.040	+0.38	49	(35)	»	−0.101	−0.16	37. 38
(6)	W	−0.079	+0.12	35. 36	(21)	W	−0.045	−0.77	45. 44	(36)	»	−0.047	−0.14	48
(7)	»	−0.061	−0.51	45. 43	(22)	»	−0.065	+0.58	47. 43	(37)	»	−0.059	−0.13	29
(8)	»	−0.028	+0.64	52. 47	(23)	»	−0.035	+0.38	49	(38)	O	−0.043	+0.32	47. 46
(9)	»	−0.094	+0.27	52. 49	(24)	»	−0.074	−0.10	50. 49	(39)	»	−0.020	+0.50	28
(10)	»	−0.028	+0.84	55. 54	(25)	»	−0.067	−0.10	39	(40)	»	−0.119	+0.37	40. 39
(11)	O	−0.020	+0.12	51	(26)	»	−0.075	−0.28	45	(41)	»	−0.100	−0.32	21. 20
(12)	»	−0.051	+0.15	54	(27)	»	−0.094	+0.03	42. 40	(42)	»	−0.022	+0.07	39
(13)	»	−0.052	+0.34	52. 51	(28)	»	−0.046	+0.59	54. 52	(43)	»	−0.088	−0.15	44. 45

Da eine Bestimmung der speziellen Abend- bzw. Zonenfehler von vornherein nicht in Aussicht genommen war, so wurden die vorstehenden Werte in Mittel zusammengezogen:

	W	O
nach der Anzahl der Sterne	$-0^{s}.060$ $+0^{''}.09$ (980. 952 St.)	$-0^{s}.050$ $+0^{''}.29$ (978. 965 St.)
» » » » Zonen	−0.062 +0.06 (22 Z.)	−0.053 +0.30 (23 Z.)

und hiernach zur Reduktion von W Serie I auf M angenommen:

W $-0^{s}.061$ $+0^{''}.08$
O −0.051 +0.29

Tatsächlich ist in A.R. das Lagenmittel $-0^{s}.056$ benutzt worden.

Diese Zahlen gelten für die Helligkeitsklasse III; für die außerhalb liegenden Größen folgen aus einer graphischen Ausgleichung die Zusatzwerte:

$5^{m}.0$	$+0^{s}.043$			
6.0	+0.029			
7.0	+0.018	$5^{m}.0$ — $7^{m}.9$	$+0^{''}.1$	
8.0	+0.007	9.1 — 9.5	−0.1	
9.0	−0.002			
9.5	−0.007			

In derselben Weise ergaben sich für W Serie II:

	I				III			
W	$6^{m}.10$	$-0^{s}.042$	$-0^{''}.01$	44 St.	$8^{m}.65$	$-0^{s}.078$	$-0^{''}.14$	582.579 St.
O	6.11	−0.038	−0.13	24 »	8.69	−0.079	−0.22	1017.1015 »
W u. O	6.11	−0.039	−0.09	68 »	8.67	−0.078	−0.19	1599.1594 »
	II				IV			
W	$7^{m}.39$	$-0^{s}.068$	$+0^{''}.10$	123 St.	$9^{m}.23$	$-0^{s}.077$	$-0^{''}.13$	132 St.
O	7.38	−0.065	+0.07	180 »	9.23	−0.092	−0.35	271 »
W u. O	7.38	−0.066	+0.08	303 »	9.23	−0.087	−0.28	403 »

und nach Reduktion auf Kl. III die mittleren Unterschiede M—W für die einzelnen Zonen:

Z.	Kr.	M—W		Anz. d. St.	Z.	Kr.	M—W		Anz. d. St.	Z.	Kr.	M—W		Anz. d. St.
1	O	$-0^{s}.092$	$-0^{''}.40$	42	23	W	$-0^{s}.009$	$+0^{''}.36$	55	42	W	$-0^{s}.101$	$+0^{''}.11$	57
2	»	−0.124	−0.19	18	24	»	−0.030	−0.25	36	43	»	−0.112	−0.08	33
3	»	−0.102	−0.09	48	25	»	−0.059	+0.18	29	44	»	−0.131	+0.51	24
4	»	−0.056	+0.15	31	26	»	−0.019	−0.23	41. 40	45	»	−0.108	−0.55	22
5	»	−0.034	−0.18	33	27	»	−0.092	−0.11	38	46	»	−0.109	−0.06	55
6	»	−0.086	−0.52	28	28	»	−0.072	−0.69	27	47	»	−0.119	−0.66	30
7	»	−0.091	−0.54	29	29	O	−0.092	−0.04	48	48	»	−0.074	+0.33	50
8	»	−0.052	−0.06	40	30	»	−0.087	+0.43	39	49	»	−0.087	+0.13	55
9	»	−0.063	−0.17	42	31	»	−0.078	−0.31	30	50	»	−0.043	−0.06	46
10	»	−0.068	+0.19	36	32	»	−0.048	−0.33	33	60	O	−0.089	−0.11	22
11	»	−0.052	+0.33	37	33	»	−0.076	−0.47	43	61	»	−0.030	−0.24	42
12	»	−0.057	−0.61	23	34	»	−0.133	−0.24	32	61ᵃ	»	−0.106	−0.91	12
13	»	−0.034	−0.72	48	34ᵃ	»	−0.071	−0.37	10	62	»	−0.118	+0.21	39
14	»	−0.068	−0.17	43	35	»	−0.119	−0.58	26. 25	63	»	−0.146	+0.35	28
15	»	−0.076	−0.94	46. 45	36	»	−0.128	+0.29	43	64	»	−0.084	−0.16	41
16	»	−0.034	−0.09	47. 46	37	»	−0.054	+0.09	44. 45	65	»	−0.127	+0.04	38
17	»	−0.065	−0.05	44	37ᵃ	W	−0.021	+0.70	4	66	»	−0.092	−0.51	47
18	W	−0.054	−0.70	22. 21	38	»	−0.113	−0.41	33	67	»	−0.086	−0.01	54
19	»	−0.073	−0.32	26. 25	39	»	−0.127	+0.72	18	68	»	−0.086	−0.47	49
20	»	−0.046	−0.74	23	40	»	−0.104	−0.04	26	69	»	−0.106	−0.60	49
21	»	−0.004	−0.17	15	41	»	−0.100	−0.80	59	70	»	−0.040	−0.68	58. 57
22	»	−0.093	−0.08	25	41ᵃ	»	−0.064	−0.90	12	71	»	−0.109	−0.64	50

Hieraus resultieren die folgenden zur Reduktion benutzten Mittelwerte:

			nach Sternen		nach Zonen		Mittel
Z.	1—10	O	$-0^s.075$	(347)	$-0^s.076$	(10)	$-0^s.075$
»	11—17	O	−0.055	(288)	−0.055	(7)	−0.055
»	18—24	W	−0.040	(202)	−0.044	(7)	−0.042
»	25—28	W	−0.058	(135)	−0.060	(4)	−0.059
»	29—37	O	−0.089	(348)	−0.088	(10)	−0.089
»	37^a—50	W	−0.096	(524)	−0.094	(15)	−0.095
»	60—71	O	−0.090	(529)	−0.093	(13)	−0.091

oder wenn die drei letzten Werte vereinigt werden:

Z. 29—71 $-0^s.092$ (1401 St. 38 Z.)

In Deklination gab die Zusammenfassung nach Lagen

							Mittel
Z.	1—17	O	$-0''.23$	(633 St.)	$-0''.23$	(17 Z.)	$-0''.23$
»	18—28	W	−0.17	(334 »)	−0.24	(11 »)	−0.20
»	29—37	O	−0.09	(348 »)	−0.14	(10 »)	−0.11
»	37^a—50	W	−0.10	(524 »)	−0.06	(15 »)	−0.08
»	60—71	O	−0.29	(528 »)	−0.28	(13 »)	−0.29

an deren Stelle schließlich die Mittelwerte

W $-0''.13$ (858 St. 26 Z.)
O −0.22 (1509 » 40 »)

adoptiert wurden.

Hierzu kommen für die anderen Größenklassen:

$5^m.0$	$+0^s.057$
6.0	+0.037
6.9	+0.022
7.0—8.0	+0.014
9.1—9.5	−0.010

$5^m.0$	−6.5	$+0''.1$
6.6	−7.9	+0.2
9.1	−9.5	−0.1

Für den Beobachter B lieferte die Vergleichung der einzelnen Zonen mit dem Mittel der auf M reduzierten Beobachtungen H, Z und W die Unterschiede:

Z.	M—B		Anz. d. St.
51	$-0^s.055$	$-0''.70$	39
52	−0.033	−0.24	31. 30
53	−0.055	−0.51	32. 33
54	−0.025	−0.60	47
55	−0.049	−0.54	27
56	−0.027	−0.62	53
57	−0.026	−0.64	34
58	−0.022	−0.42	35
59	+0.015	−0.78	48
im Mittel nach St.	$-0^s.028$	$-0''.58$	346 St.
» » » Z.	−0.031	−0.56	9 Z.

Nach Abzug dieser bereits annähernd auf die Größe 8.5 gebrachten Zonenmittel von den Einzelwerten verblieben, geordnet nach Größenklassen, die folgenden mittleren Beträge:

$6^m.93$	$+0^s.024$	$+0''.08$	38 St.
8.52	+0.005	+0.04	147. 148 »
$9.^{15}_{16}$	−0.013	−0.09	161. 160 »

In Verbindung mit dem obigen Mittelwert der sämtlichen neun Zonen ergaben sich hieraus die Reduktionsgrößen:

	M—B	
$6^m.0$	$+0^s.013$	$-0''.36$
7.0	−0.004	−0.44
8.0	−0.021	−0.53
9.0	−0.037	−0.61
9.5	−0.046	−0.66

Die von demselben Beobachter nachträglich in den Jahren 1903—05 ausgeführten Beobachtungen, bei denen, wie hier bemerkt werden mag, der Kreis an allen vier Mikroskopen abgelesen wurde, stehen um eine durchschnittliche Epochendifferenz von 13.3 Jahren von der Hauptmasse der Beobachtungen ab, so daß der Einfluß der eigenen Bewegungen, die nur bei drei Sternen berücksichtigt werden konnte, bereits merklich sein wird. Ich habe es daher für ratsam gehalten, die parallaktische Bewegung hier in Rechnung zu bringen und dafür als Koordinaten des Apex A = 280° D = +35° und als 10jährige Bewegung die Beträge angenommen:

$5^m.5$ $0''.55$ $6^m.5$ $0''.39$ $7^m.5$ $0''.28$ $8^m.5$ $0''.20$ $9^m.5$ $0''.14$

Hiermit wurden die folgenden Unterschiede gefunden:

	M—B (1903—05)		
7ᵐ.43	+0ˢ.019	—0″.18	24 St.
8.34	—0.008	—0.21	39 »
8.77	—0.002	—0.39	41 »
9.05	—0.019	—0.44	128. 125 »
9.40	—0.042	—0.63	35 »

und für die Reduktion angenommen:

7ᵐ.5	+0ˢ.020	—0″.10
8.0	+0.006	—0.21
8.5	—0.007	—0.33
9.0	—0.020	—0.44
9.5	—0.034	—0.56

Die von dem Beobachter Wanach in den Jahren 1892—93 u. 1895 beobachteten und in das damalige Arbeitsprogramm gelegentlich eingeschobenen Sterne konnten durchgehends auch in Deklination direkt auf den F. K. bezogen werden, mit Ausnahme von drei Abenden (1893 Juni 14, Juni 18 und Juli 19 mit im ganzen nur vier Zonensternen), an denen der Nullpunkt aus dem Nadir abgeleitet werden mußte. An die Deklinationen dieser Sterne wurden die aus 56 bzw. 62 Fundamentalsternbeobachtungen desselben Jahres (zwischen +6° und —12° Dekl.) folgenden Reduktionen auf den F. K.: Kr. W +0″.06 Kr. O +0″.32 angebracht. Nach Übertragung auf das Lagenmittel mit

W—O = —0ˢ.029 m. F. ±0ˢ.013
+0″.28 » » ±0.18

ergab sich dann in bezug auf den nunmehr auf den Beobachtungen von H, Z, W und B fußenden mittleren Beobachter:

	M—Wa		
7ᵐ.73	+0ˢ.005	—0″.64	11 St.
8.74	—0.022	—0.21	11 »
9.00	—0.013	—0.38	15. 14 »
9.23	—0.059	—0.47	7 »

und nach Ausgleichung:

8ᵐ.0	—0ˢ.005	
8.5	—0.010	—0″.41
9.0	—0.020	
9.5	—0.040	

Der Beobachter Necker ist im ganzen nur mit 5 Beobachtungen beteiligt; das allgemeine Mittel ist

	M—N		
Kr. W	—0ˢ.050	—0″.30	3 St.
» O	—0.005	—0.60	2 »

wonach angenommen wurde —0.03 —0.4

Die an dieser Stelle für die Beobachter B, Wa und N gegebenen Reduktionen sind erst während der Drucklegung des Katalogs abgeleitet, während in letzterem selbst die aus einer früheren Rechnung hervorgegangenen Zahlen benutzt sind. Ich habe die daraus resultierenden und meist innerhalb 0ˢ.01 und 0″.1 liegenden, nur durch Abrundung diese Beträge erreichenden Verbesserungen berechnet und zugleich mit einigen anderen zufälligen Druck- und Schreibfehlern in der dem Katalog unmittelbar vorangehenden Tabelle S. (31)—(32) zusammengestellt. Ein Verzeichnis am Ende des Werks S. 190 gibt einige anderweitige Berichtigungen und Zusätze.

Reduktion auf den neuen Fundamentalkatalog von Auwers.

Von den Hauptbeobachtern hat nur der Beobachter H einen Versuch gemacht, seine Helligkeitsgleichung mittels Gitterbeobachtungen zu bestimmen. Aus 36 1892 Juni 1 Kr. O beobachteten Sternen geht für ihn als mittlere Verspätung 0ˢ.0102 m. F. ±0ˢ.0017 pro Größenklasse hervor. Für die Benutzung des Katalogs mußte daher eine wenn auch zunächst nur vorläufige Kenntnis seiner Beziehung zum F. K. erwünscht sein, und ich habe versucht, solche aus der Vergleichung mit dem angrenzenden Nikolajewer Katalog und dem Katalog von Romberg, die beide von Auwers eingehendst untersucht sind, zu erlangen.

Der Straßburger Katalog hat mit dem von Nikolajew 602 Sterne gemeinsam, von denen der letztere für zwei nur die Rektaszensionen gibt. Mit Ausschluß des Veränderlichen N 1650 und des Doppelsterns N 4099, dessen Mitte in Nikolajew, beide Komponenten in Straßburg beobachtet sind, ferner der Rektaszensionen von N 317 (S—N —0ˢ.52) und der Deklinationen der Sterne N 1525, 2789, 2995, 4496, 5258, 5326, die Unterschiede von 3″.0 und mehr gegen Straßburg ergeben, verbleiben 599 α- und 592 δ-Differenzen, die nach A. R.-Stunden zu Mittelwerten vereinigt nebst der Anzahl der Sterne in der 2., 3. und 4. Spalte der folgenden Tabelle enthalten sind.

S—N

	$\Delta\alpha$	$\Delta\delta$	Anz. d. St.	$\Delta\alpha(8^m.5)$	$\Delta\delta$		$\Delta\alpha$	$\Delta\delta$	Anz. d. St.	$\Delta\alpha(8^m.5)$	$\Delta\delta$
0^h	$+0^s.046$	$+0''.19$	25	$+0^s.040$	$+0''.26$	12^h	$+0^s.020$	$-0''.19$	15	$+0^s.023$	$-0''.13$
1	+0.015	+0.16	17.18	+0.008	+0.22	13	+0.010	−0.04	16	+0.012	+0.01
2	+0.032	+0.69	19	+0.023	+0.73	14	+0.009	−0.02	14	+0.010	+0.07
3	+0.037	+0.14	29.28	+0.034	+0.16	15	+0.019	−0.37	18	+0.022	−0.31
4	+0.011	+0.26	27	+0.006	+0.28	16	+0.004	−0.03	19	+0.002	+0.05
5	+0.023	−0.26	45.44	+0.022	−0.24	17	+0.008	−0.24	18	+0.006	−0.17
6	+0.017	+0.12	43	+0.012	+0.14	18	+0.013	−0.50	44.43	+0.008	−0.44
7	+0.025	+0.38	31	+0.017	+0.39	19	+0.015	−0.23	31	+0.006	−0.17
8	+0.016	+0.44	29	+0.014	+0.46	20	−0.007	−0.01	39.37	−0.013	+0.05
9	+0.020	+0.39	20.18	+0.021	+0.43	21	−0.001	−0.21	18	−0.013	−0.16
10	+0.039	−0.12	19	+0.044	−0.06	22	+0.064	+0.32	24	+0.056	+0.38
11	+0.071	−0.36	16.15	+0.062	−0.33	23	+0.033	+0.05	23	+0.024	+0.09

Die durchschnittliche Anzahl der Beobachtungen beträgt für Nikolajew 2.28, für Straßburg 2.99; der durchschnittliche Fehler eines Unterschiedes der beiden Kataloge folgt aus den Abweichungen von den Stundenmitteln und nach Helligkeiten getrennt, im Mittel für alle Sterne $\pm 0^s.051$ $\pm 0''.78$, der mittlere Fehler $\pm 0^s.064$ $\pm 0''.98$. Nachdem die Differenzen für die einzelnen Sterne mit in erster Näherung gewonnenen Werten der relativen Helligkeitsgleichung auf die Größe 8.5 reduziert und zugleich von der parallaktischen Bewegung (ΔEp. $5^a.8$) befreit worden waren — für 28 Sterne konnte die vollständige E.B. berücksichtigt werden —, wurden neue Stundenmittel gebildet, Spalte 5 und 6, deren Vergleichung mit den für E.B. bzw. P.B. verbesserten Einzelwerten zu folgenden mittleren Unterschieden führte:

			Anz. d. St.
$5^m.28$	$-0^s.001$	$+0''.07$	10
6.67	−0.024	−0.25	8
7.08	−0.027	−0.12	12
7.71	−0.004	+0.12	27.26
8.17	−0.019	−0.11	83.82
8.50	+0.004	−0.04	80.81
8.79	+0.009	−0.05	128.127
9.05	+0.011	+0.08	219.215
9.35	+0.020	+0.05	32.31

Nach Ausgleichung dieser Werte und Addition des Mittelwertes der Stundenmittel (Sp. 5 und 6):

nach Sternen	$+0^s.017$	$+0''.06$
einf. Mittel	+0.019	+0.07

ergaben sich die mittleren Katalogunterschiede:

S—N

$5^m.0$	0^s	$-0''.03$	$7^m.5$	$+0^s.003$	$-0''.02$
5.5	0	−0.03	8.0	+0.009	−0.01
6.0	0	−0.03	8.5	+0.019	+0.01
6.5	0	−0.03	9.0	+0.030	+0.10
7.0	0	−0.02	9.5	+0.043	+0.27

Fügt man hierzu die von Auwers in »Ergänzungshefte der Astronomischen Nachrichten« Nr. 7 S. 46 gegebenen Reduktionen für Nikolajew, nachdem man die Deklinationswerte durch Abzug von $0''.30$ auf die südliche Zonenhälfte übertragen hat (vgl. A.N. 3844), so erhält man als genäherte Reduktion des Straßburger Zonenkatalogs auf das n e u e Fundamentalsystem des Berliner Jahrbuchs:

	$\Delta\alpha$	$\Delta\delta$		$\Delta\alpha$	$\Delta\delta$
$5^m.0$	$+0^s.024$	$+0''.24$	$7^m.5$	$+0^s.013$	$+0''.31$
5.5	+0.024	+0.25	8.0	+0.004	+0.33
6.0	+0.022	+0.27	8.5	−0.010	+0.35
6.5	+0.021	+0.29	9.0	−0.019	+0.33
7.0	+0.019	+0.29	9.5	−0.027	+0.28

Der Katalog von R o m b e r g enthält nur 119 mit dem Straßburger gemeinsame Objekte, von denen 58 einfache und 54 Doppelsterne sind; 34 der letzteren kommen in beiden Katalogen mit einer Komponente vor, bei 6 sind beide Komponenten, bei 13 die Mitte und bei einem in Straßburg die Deklination der Mitte, von Romberg die der Komponenten beobachtet. Nach Ausschluß einer stärker abweichenden Rektaszension (R 5262 S—R = $-0^s.27$) bleiben in beiden Koordinaten 118 Katalogunterschiede. Zur Übertragung auf die Epochen des Straßburger Katalogs, die im Mittel um 14.3 Jahre von denen des Rombergschen Katalogs abstehen, waren für 36 Sterne die Eigenbewegungen bekannt; für die Mehrzahl der übrigen verdanke ich Herrn Dr. Ristenpart genäherte Angaben, so daß nur für 4 Sterne die E.B. unberücksichtigt bleiben mußte. Ferner wurden nach derselben Quelle folgende vorläufige Verbesserungen an die Rombergschen Örter angebracht:

	$\Delta\alpha$	$\Delta\delta$		$\Delta\alpha$
Nr. 718	$+0^s.15$		Nr. 3889	$-0^s.20$
» 893		$+1''.4$	» 3899	−0.10
» 3156	+0.20		» 3935	−0.16
» 3220	+0.15			

Hiermit finden sich für die einzelnen A.R.-Stunden die mittleren Unterschiede S—R:

	Δα	Δδ	Anz. d. St.		Δα	Δδ	Anz. d. St.
0^h	$+0^s.033$	$-0''.07$	6	12^h	$+0^s.049$	$-0''.13$	9
1	+0.040	−0.10	2	13	+0.030	−0.40	1
2	+0.001	−0.44	7	14	+0.046	+0.50	9
3	−0.030	−0.10	3	15	+0.001	+0.04	8
4	−0.014	+0.48	5	16	−0.078	−0.38	5
5	+0.054	−0.47	8	17	+0.017	+0.10	4
6	+0.007	−0.23	3	18	−0.013	−0.13	3
7	+0.030	+0.87	3	19	+0.055	+0.35	2
8	−0.005	+0.60	2	20	−0.020	+0.40	2
9	+0.030	−0.10	2	21	+0.015	+0.62	4
10	+0.030	−0.15	2	22	−0.006	−0.26	7
11	+0.026	+0.32	18	23	−0.023	+0.10	3

und die Oktantenmittel:

	Δα	Δδ	Anz. d. St.		Δα	Δδ	Anz. d. St.
0^h— 2^h	+0.019	−0.25	15	12^h—14^h	+0.046	+0.15	19
3 — 5	+0.017	−0.11	16	15 —17	−0.018	−0.07	17
6 — 8	+0.013	+0.39	8	18 —20	+0.004	+0.16	7
9 —11	+0.027	+0.24	22	21 —23	−0.003	+0.07	14

Das allgemeine Mittel ist $+0^s.015$ $+0''.06$ (118 St.), das einfache Mittel $+0^s.011$ $+0''.06$. Der durchschnittliche Fehler eines Unterschiedes S—R folgt im Mittel aus allen Sternen $\pm 0^s.054$ $\pm 0''.55$, der mittlere Fehler $\pm 0^s.068$ $\pm 0''.69$.

Ordnet man die einzelnen Unterschiede nach der Helligkeit der Sterne und läßt den Stern 2^m R 1299 weg, der übrigens eine größere Abweichung nicht zeigt ($+0^s.07$ $-0''.5$), so erhält man:

	Δα	Δδ	Anz. d. St.		Δα	Δδ	Anz d. St.
$5^m.87$	$+0^s.023$	$-0''.03$	15	$8^m.51$	$+0^s.044$	$+0''.05$	15. 14
6.67	−0.018	+0.24	9	8.84	+0.003	−0.02	14
7.20	+0.022	+0.26	14	9.07	+0.012	−0.20	15
7.70	+0.014	+0.33	21. 22	9.36	−0.010	−0.43	7
8.19	+0.017	+0.01	7				

In Rektaszension ist in diesen Zahlen eine Abhängigkeit von der Helligkeit nur schwach angedeutet, und man wird mit Rücksicht auf die ihnen anhaftende Unsicherheit S—R als konstant und $= +0^s.013$ annehmen dürfen. In Deklination macht sich ein Einfluß der Helligkeit mehr bemerkbar, allein der Verlauf ist ein so ungewöhnlicher, daß es zweifelhaft bleibt, ob derselbe reell oder nur das Resultat einer zufälligen Gruppierung des an sich sehr spärlichen Materials ist. Da auch durch eine zweite Näherung wesentlich nichts geändert wird, so habe ich auch in Deklination S—R als konstant und $= +0''.06$ angenommen. Damit ergab sich unter Benutzung der von Auwers in A.N. 3195, 3844 und 3927 für Rombergs Katalog gegebenen Relationen die Reduktion der Straßburger Zone auf den neuen F.K.:

	Δα	Δδ		Δα	Δδ
$5^m.5$	$+0^s.018$	$+0''.08$	$8^m.0$	$-0^s.004$	$+0''.17$
6.0	+0.015	+0.09	8.5	−0.011	+0.22
6.5	+0.013	+0.10	9.0	−0.013	+0.30
7.0	+0.008	+0.12	9.5	−0.015	+0.41
7.5	+0.003	+0.14			

Wie die Betrachtung der über Nikolajew und über Romberg erlangten Reduktionskurven zeigt, gehen beide bis $8^m.0$ bzw. $8^m.5$ nahe parallel, dagegen fällt die N-Kurve in A.R. über $8^m.0$ hinaus steiler ab, während in Dekl. die R-Kurve ziemlich stark ansteigt. Die Differenzen selbst sind noch ziemlich beträchtlich.

	$\Delta\alpha_N - \Delta\alpha_R$	$\Delta\delta_N - \Delta\delta_R$		$\Delta\alpha_N - \Delta\alpha_R$	$\Delta\delta_N - \Delta\delta_R$
$5^m.5$	$+0^s.006$	$+0''.17$	$8^m.0$	$+0^s.008$	$+0''.16$
6.0	+0.007	+0.18	8.5	+0.001	+0.13
6.5	+0.008	+0.19	9.0	−0.006	+0.03
7.0	+0.011	+0.17	9.5	−0.012	−0.13
7.5	+0.010	+0.17			

Bis auf weiteres wird man sich mit Mittelwerten aus beiden Reihen begnügen müssen und, wenn man der Bestimmung aus N. das doppelte Gewicht beilegt, annehmen können:

Reduktion des Straßburger Zonenkatalogs auf den neuen Fundamentalkatalog

	Δα	Δδ		Δα	Δδ
$5^m.5$	$+0^s.022$	$+0''.19$	$8^m.0$	$+0^s.001$	$+0''.28$
6.0	+0.020	+0.21	8.5	−0.010	+0.31
6.5	+0.018	+0.23	9.0	−0.017	+0.32
7.0	+0.015	+0.23	9.5	−0.023	+0.32
7.5	+0.010	+0.25			

Eine weitere Möglichkeit, den Einfluß der Helligkeit der Sterne auf die Positionen des Straßburger Katalogs zu bestimmen, schien die Vergleichung mit dem Zonenkatalog Wien-Ottakring darzubieten, für den Herr de Ball die Helligkeitsgleichung nach den Angaben auf S. (10) der Einleitung ermittelt hat.

Dieser Katalog enthält 657 mit dem Straßburger Katalog gemeinsame Sterne und liegt in der mittleren Epoche nur 2.64 Jahre später, so daß der Einfluß der Eigenbewegungen, soweit solche nicht berücksichtigt werden konnten, nur geringfügig sein kann. Nachdem die Wiener Positionen für die S. (8)–(9) gegebenen konstanten Korrektionen verbessert worden, ergaben sich für die einzelnen A.R.-Stunden die in Spalte 2 und 3 der folgenden Tabelle enthaltenen mittleren Unterschiede nebst den zugehörigen Sternzahlen in der 5. Spalte.

S—W-O

	$\Delta\alpha$	$\Delta\delta$	$\Delta\alpha\,(8^m.5)$	Anz. d. St.		$\Delta\alpha$	$\Delta\delta$	$\Delta\alpha\,(8^m.5)$	Anz. d. St.
0^h	$+0^s.045$	$-0''.14$	$+0^s.045$	19	12^h	$+0^s.058$	$+0''.26$	$+0^s.051$	20
1	+0.067	+0.23	+0.055	12	13	+0.063	+0.07	+0.068	15
2	+0.061	−0.40	+0.057	14	14	+0.065	+0.15	+0.062	17
3	+0.057	−0.28	+0.045	26	15	+0.050	−0.09	+0.049	23
4	+0.068	+0.08	+0.063	25	16	+0.063	+0.19	+0.061	19
5	+0.049	+0.22	+0.046	37	17	+0.049	+0.31	+0.057	19
6	+0.061	+0.20	+0.050	47	18	+0.045	−0.03	+0.045	42
7	+0.078	+0.13	+0.070	48	19	+0.065	+0.12	+0.052	31
8	+0.077	+0.23	+0.070	44	20	+0.036	−0.21	+0.027	42
9	+0.090	+0.30	+0.076	25	21	+0.038	−0.14	+0.031	35
10	+0.108	+0.23	+0.095	24	22	+0.064	−0.14	+0.052	25
11	+0.073	+0.24	+0.066	26	23	+0.037	−0.16	+0.026	22

Das Mittel beträgt, nach Sternen genommen $\Delta\alpha$ $+0^s.061$ $\Delta\delta$ $+0''.06$ $\Delta\alpha$ $(8^m.5)$ $+0^s.054$ (657 St.), das einfache Mittel $\Delta\alpha$ $+0^s.061$ $\Delta\delta$ $+0''.06$ $\Delta\alpha$ $(8^m.5)$ $+0^s.055$. Die durchschnittliche Anzahl der Beobachtungen ist für Wien 2.2, für Straßburg 2.9; der durchschnittliche Fehler einer Katalogdifferenz $\pm0^s.035$ $\pm0''.51$, der mittlere Fehler $\pm0^s.044$ $\pm0''.64$.

Während in Deklination ein Einfluß der Helligkeit sich wenig bemerkbar macht, tritt ein solcher bei den Rektaszensionen in erheblichem Betrage auf. In derselben Weise, wie oben bei der Vergleichung mit Nikolajew, wurden mit einer genäherten Helligkeitsgleichung die A.R.-Unterschiede der einzelnen Sterne auf $8^m.5$ reduziert und neue Stundenmittel gebildet (Spalte 4), nach deren Abzug von den beobachteten Einzelwerten die folgenden, nach der Helligkeit geordneten Beträge übrig blieben:

	$\Delta\alpha$	$\Delta\delta$	Anz. d. St.		$\Delta\alpha$	$\Delta\delta$	Anz. d. St.
$5^m.84$	$-0^s.035$	$-0''.01$	17	$8^m.50$	$-0^s.002$	$+0''.14$	85
6.66	−0.041	−0.02	21	8.80	+0.015	−0.08	119
7.13	−0.027	+0.05	31	9.04	+0.023	−0.03	232
7.71	−0.022	+0.07	35	9.42	+0.035	−0.14	34
8.14	−0.012	+0.10	83				

In Deklination ist, wie diese Zahlen bestätigen, ein merklicher Einfluß der Helligkeit nicht vorhanden und man kann den mittleren Unterschied der beiden Kataloge für die Sterne aller Größenklassen $\Delta\delta$ (S—W-O) $= +0''.06$ setzen. Dagegen gibt die graphische Ausgleichung in A.R. nach Hinzufügung des mittleren Unterschiedes für $8^m.5$:

S—W-O

$5^m.5$	$+0^s.011$	$7^m.5$	$+0^s.028$	$8^m.5$	$+0^s.053$
6.0	+0.013	7.75	+0.033	8.75	+0.064
6.5	+0.017	8.0	+0.038	9.0	+0.076
7.0	+0.021	8.25	+0.045	9.25	+0.089
7.5	+0.028	8.5	+0.053	9.5	+0.102

Herr de Ball findet seine Helligkeitsgleichung zu $-0^s.0025$ pro Größenklasse; bringt man diesen Wert in Rechnung, so erhält man, abgesehen von einer Konstanten, die folgenden Korrektionen für Straßburg, denen die oben aus Nikolajew und Romberg gefundenen und die Unterschiede von jenen zur Seite gestellt sind:

	aus W-O	aus N u. R	Unterschied
$5^m.5$	$+0^s.022$	$+0^s.022$	$0^s.000$
6.0	+0.019	+0.020	−0.001
6.5	+0.014	+0.018	−0.004
7.0	+0.008	+0.015	−0.007
7.5	0.000	+0.010	−0.010
8.0	−0.011	+0.001	−0.012
8.5	−0.028	−0.010	−0.018
9.0	−0.052	−0.017	−0.035
9.5	−0.079	−0.023	−0.056

Danach würden, wenn die de Ballsche Gleichung richtig ist, die Durchgänge der schwächeren Sterne in Straßburg in weit höherem Maße zu spät beobachtet sein, als die Vergleichungen mit Nikolajew und Romberg zu erkennen geben. Indes darf man nicht übersehen, daß der von de Ball mittels Gitterbeobachtungen gefundene Betrag, abgesehen von der mäßigen Anzahl von Sternen, nur auf Abblendungen bis höchstens $8^m.9$ beruht, und daß die Auffassung bei schwächeren an die Grenze der Leistungsfähigkeit des Instruments heranrückenden Sternen eine wesentlich andere sein kann, zumal wenn, wie bei dem Wiener 4½zölligen Objektiv, mit Fädenbeleuchtung beobachtet wird. Bestimmtes läßt sich darüber, ohne anderweitige Anhaltspunkte, nicht sagen,

da auch hier starke individuelle, von der Gepflogenheit des Beobachters abhängige Unterschiede auftreten können, von vornherein möchte ich aber der Ansicht zuneigen, daß der Antritt schwacher Sterne an die wenn auch nur matt erleuchteten Fäden im Vergleich zu helleren Sternen im allgemeinen eher zu früh als zu spät aufgefaßt werden dürfte. Jedenfalls glaube ich bis auf weiteres bei den oben S. (16) abgeleiteten Zahlen, deren provisorischen Charakter ich nochmals betone, stehen bleiben zu sollen.

Ich führe an dieser Stelle noch eine Vergleichung von mehreren dem Fundamentalkatalog angehörigen Anhaltsternen an, die zufällig als Zonensterne beobachtet und als solche reduziert worden sind. Es sind dies:

		α		δ	Ep.	F.K. — Str. $\Delta\alpha$	$\Delta\delta$	Anz. d. Beob.	Gew.
62 Ceti	$7^m.4$	2^h	4^m	$-2°.8$	89.3	$-0^s.01$	$+0''.5$	5	1
81 »	6.0	2	33	−3.8	88.9	+0.04	+0.6	1	½
17 Eridani	4.8	3	26	−5.4	88.8	−0.02	+0.7	2	¾
ν »	3.3	4	31	−3.6	90.1	+0.01	+1.3	1	½
θ_1 Orionis	5.1	5	30	−5.5	92.0	−0.01	+0.9	2	¾
θ_2 »	5.0	5	30	−5.5	92.0	0.00	+0.6	3	¾
σ »	3.7	5	34	−2.7	92.0	−0.03	+0.7	4	1
12 Ophiuchi	5.8	16	31	−2.1	89.5	−0.05	+1.3	1	½
30 »	5.0	16	56	−4.1	89.5	−0.05	+0.4	1	½
27 H. »	4.5	17	21	−5.0	89.5	0.00	−1.2	2	¾
λ Aquilae	3.1	19	1	−5.0	89.5	−0.04	+1.2	2	¾
70 »	5.0	20	31	−2.9	89.0	+0.04	−0.4	3	¾
P. XXI. 320	6.0	21	49	−4.7	89.4	−0.02	+0.7	5	1
Br. 3033	6.7	22	52	−5.3	89.0	−0.03	+0.3	5	1

Das Mittel nach Gewichten ist $-0^s.013$ $+0''.51$ (Gew. 11) m.F. $\pm 0^s.007$ $\pm 0''.17$
das einfache Mittel -0.012 $+0.54$ (14 St.) » » ± 0.008 ± 0.18

Nach A.N. 3927 erfordert hier der Katalog der 303 Sterne, auf den auch die Deklinationen der 3 darin nicht vorkommenden Sterne θ_1, θ_2 und σ Orionis übertragen sind, zur Reduktion auf den neuen Fundamentalkatalog die Verbesserungen $+0^s.024$ $-0''.03$; hiermit wird:

N.F.K. — Str. $+0^s.011$ m.F. $\pm 0^s.007$, $+0''.48$ m.F. $\pm 0''.17$

Mittlere und wahrscheinliche Fehler der Katalogörter.

Um ein angenähertes Urteil über die Genauigkeit der Katalogörter zu gewinnen, wurden für je 60 innerhalb jeder der 24 A.R.-Stunden beliebig ausgewählte Sterne die Quadrate der Abweichungen der einzelnen auf den mittleren Beobachter reduzierten Bestimmungen von ihren Mittelwerten berechnet und daraus erhalten:

	Sterne bis $7^m.0$		$7^m.1 - 9^m.0$		$9^m.1$ u. schwächer		insgesamt	
mittl. F. einer Best.	$\pm 0^s.044$	$\pm 0''.66$	$\pm 0^s.050$	$\pm 0''.69$	$\pm 0^s.060$	$\pm 0''.69$	$\pm 0^s.052$	$\pm 0''.69$
wahrsch. » » »	±0.030	±0.44	±0.034	±0.46	±0.041	±0.46	±0.035	±0.46
mittl. » eines Ortes für d. durchschn. Anz. d. Beob. (2.92)	±0.026	±0.38	±0.030	±0.40	±0.035	±0.040	±0.031	±0.40
wahrsch. » » » » » » » » » »	±0.017	±0.26	±0.020	±0.27	±0.024	±0.027	±0.021	±0.27

Schlußbemerkungen.

Zum Katalog selbst bleibt nur weniges zu bemerken übrig. Die Präzessionen und hundertjährigen Änderungen, die in doppelter Weise, einmal direkt nach den von mir herausgegebenen Tafeln und dann nach darauf gegründeten Spezialtafeln berechnet sind, beruhen, wie kaum erwähnt zu werden braucht, auf der Struveschen Konstante. Die mehrfach am Fuß der Seite befindlichen Bemerkungen über Duplices sind, wenn die Beobachter selbst keine Angaben gemacht haben, Doppelsternkatalogen entlehnt oder aus späteren Revisionen am 6^z-Refraktor hervorgegangen. Am Schluß des Katalogs ist in Anhang II der Nachweis der Zonen für die mehr als viermal beobachteten Sterne und der Beobachtungszeiten für die Sterne gegeben, die außerhalb von Zonen beobachtet sind. In Anhang III sind die Einzelwerte der Rektaszensionen und Deklinationen in allen solchen Fällen angeführt, wo der größte Unterschied $0^s.20$ und $2''.5$ übersteigt. Es folgt dann eine Zusammenstellung von bekannten Eigenbewegungen und zuletzt ein Verzeichnis von nachträglich im Katalog aufgefundenen Druckfehlern nebst sonstigen Berichtigungen und Zusätzen; einige gröbere der Korrektur entgangene Versehen sind durch Fettdruck hervorgehoben.

An der Bearbeitung des Katalogs haben außer mehreren in einfacheren numerischen Operationen geschulten Hilfskräften, unter denen ich den verstorbenen Pförtner und Rechner der Sternwarte C. Sabel und den Trigonometer C. Voye hier zu nennen habe, die im Lauf der Jahre an der Sternwarte tätig gewesenen

Astronomen, je nach den ihnen sonst obliegenden Arbeiten in dankenswerter Weise einen größeren oder geringeren Anteil genommen. Die erste Berechnung der Durchgänge durch den Mittelfaden ist für den größten Teil der Zonen von Herrn J. Halm gemacht. Die Fehler des Instruments sind für die die Zonenbeobachtungen umfassende Periode hauptsächlich von den Herren O. Tetens und B. Wanach abgeleitet, von denen der letztere auch die von dem früheren Hilfsrechner A. Reiß (†) berechneten scheinbaren Örter der Anhaltsterne geprüft und zugleich mit Herrn M. Ebell mehrfache anderweitige Kontrollrechnungen, besonders der Refraktionen, ausgeführt hat. Die Tafeln zur Übertragung auf das mittlere Äquinoktium 1900 sind auswärts berechnet worden. An der Reduktion der außerhalb der Zonen beobachteten Sterne haben die Herren E. Redlich und K. Schiller mitgewirkt. Die Berechnung der Präzession ist zum überwiegenden Teile den Herren B. Cohn, F. Biske, E. Redlich und C. W. Wirtz zu verdanken.

Die zahlreichen, teils von mir, größtenteils von Herrn B. Cohn unter Mitwirkung von Herrn F. Biske ausgeführten Vergleichungen des Straßburger Katalogs mit anderen Sternverzeichnissen hoffe ich bald folgen lassen zu können.

Straßburg, 1906 Juli. E. Becker.

Übersicht über die beobachteten Zonen.

In der Spalte »Beobachter« bezeichnen:

W	W. F. Wislicenus	St	L. Stutz
H	J. Halm	K	A. Kaufmann
Z	M. Zwink	Ko	H. Kobold
B	E. Becker	S	K. Schiller
Wa	B. Wanach	R	E. Redlich
N	K. Necker		

Den Zifferangaben über die Qualität der Bilder liegt die Skala 1 bis 4 zugrunde, wobei 1 sehr gut, 4 sehr schlecht bedeutet. Wenn zwei durch einen Punkt getrennte Angaben gemacht sind, bezieht sich die erste auf die Ruhe, die zweite auf die Schärfe der Bilder.

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1888			Erste Serie.			
(1)	O	W	B	Juli 14	$17^h 20^m$	$18^h 28^m$	5	47		
(1ª)	O	W	St	» 22	17 38	17 54	2	14		Wolken.
(2)	O	W	St	» 26	17 38	18 41	5	47		
(3)	O	W	St	Sept. 2	22 46	23 53	6	54		
(3ª)	O	W	St	» 3	20 41	21 12	2	26		Dunst.
(4)	O	W	St	» 5	20 26	21 25	5	49		
(5)	O	W	St	» 5	23 11	0 13	6	52		
(6)	W	W	St	» 9	20 26	21 25	5	37		Sterne sehr schwach.
(7)	W	W	St	» 11	20 11	21 10	6	47	4	Zuletzt Wolken.
(8)	W	W	St	» 11	23 11	0 13	6	52		
(9)	W	W	St	» 12	20 11	21 10	6	53		
(10)	W	W	St	» 12	22 46	23 53	6	58		
(11)	O	W	St	» 14	20 11	21 10	6	53		
(12)	O	W	St	» 14	23 11	0 13	6	56		
(13)	O	W	St	» 15	22 29	23 29	6	54		
(14)	O	W	St	» 18	20 11	21 10	6	41		
(15)	O	W	St	» 20	21 25	22 29	6	54		
(16)	O	W	St	» 21	20 54	22 0	6	55		
(17)	O	W	St	» 21	23 21	0 24	6	50		
(18)	O	W	St	» 22	21 25	22 29	6	58		
(19)	O	W	St	» 23	21 25	22 24	6	59		
(20)	O	W	St	» 23	0 24	1 18	5	49		
(21)	W	W	St	» 27	21 25	22 24	6	46		
(22)	W	W	St	» 28	23 11	0 13	6	46		
(23)	W	W	K	Okt. 3	22 29	23 29	6	52		
(24)	W	W	K	» 3	0 24	1 18	5	51		
(25)	W	W	K	» 12	21 40	22 29	5	41		
(26)	W	W	K	» 18	20 54	22 0	6	52		
(27)	W	W	K	» 18	1 58	2 50	5	43		
(28)	W	W	K	» 19	20 26	21 26	5	54	4	
(29)	W	W	K	» 19	23 21	0 24	6	50	3.3	
(30)	W	W	K	» 20	20 41	21 25	4	36	4.4	
(31)	W	W	K	» 21	0 24	1 18	4	50		
(32)	W	W	K	» 23	21 25	22 29	5	55		
(33)	W	W	K	» 23	1 35	2 32	4	50		
(34)	W	W	K	» 24	23 44	0 44	6	36		
(35)	W	W	K	» 24	2 32	3 27	5	39		
(36)	W	W	K	» 27	20 31	21 40	5	49	1.1	

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1888						
(37)	W	W	K	Okt. 27	$23^h 44^m$	$0^h 44^m$	5	29		
(38)	O	W	K	Nov. 4	20 31	21 40	6	50		
(39)	O	W	K	» 4	23 44	0 44	5	28	3.4	
(40)	O	W	K	» 6	1 47	2 51	6	42	4.4	
(41)	O	W	K	» 9	3 38	4 26	4	24	3.3	
(42)	O	W	K	» 10	23 44	0 44	6	39	4.4	
(43)	O	W	K	» 10	2 32	3 27	5	46		
										Neue Serie.
1	O	W	K	Nov. 27	22 46	23 53	5	43	4.4	
2	O	W	K	Dez. 2	3 27	4 26	6	29	2	
3	O	W	K	» 3	21 48	22 59	6	49		
4	O	W	K	» 3	1 47	2 51	5	35		
5	O	W	K	» 3	5 42	6 35	5	41		
6	O	W	K	» 11	3 38	4 40	5	44	4.4	Äußerst schlechte Luft u. Bilder.
7	O	W	K	» 12	4 40	5 31	5	37	4	
8	O	W	K	» 14	22 46	23 44	4	40		Nebel, Bilder ruhig, aber meist recht schwach und [schwierig zu beobachten.
9	O	W	K	» 27	23 11	0 13	6	43		
10	O	W	K	» 27	5 30	6 36	5	39		Dunst u. Nebel.
				1889						
11	O	W	K	Jan. 1	23 44	0 44	6	38	4.4	Beob. schwierig.
12	O	W	K	» 1	3 47	4 48	6	42	4.4	Äußerst schlechte Luft und Bilder. Beob. schwierig.
13	O	W	K	» 2	4 48	5 54	6	49	4.4	
14	O	W	K	» 3	1 58	3 7	5	44	4.4	
15	O	W	K	» 3	5 12	6 12	6	48	4.4	
16	O	W	K	» 5	2 32	3 38	5	47	3.3	
17	O	W	K	» 5	5 42	6 35	5	45	4.3	
18	W	W	K	» 16	3 27	4 26	6	36		Sehr weiße u. nebelige Luft, Bilder meist recht schwach [u. schwer zu beobachten.
19	W	W	K	» 25	3 38	4 40	5	42		
20	W	W	K	» 28	3 47	4 48	6	41		
21	W	W	K	» 28	6 35	7 31	6	37		
22	W	W	K	» 29	5 30	6 21	5	32	4.4	Zuletzt Wolken.
23	W	W	K	Febr. 5	7 4	8 13	5	57		
24	W	W	K	» 13	4 26	5 30	6	47	3.3	Sterne durchweg schwer zu beobachten.
25	W	W	H	April 17	10 35	11 44	5	29		Wolken.
26	W	W	H	» 19	10 35	11 44	6	43	1.2	
27	W	W	H	Mai 2	10 59	12 0	6	38	1.2	Dunstig, Bilder meist recht schwach.
28	W	W	H	» 3	14 50	15 45	5	35		
29	O	W	H	» 25	14 55	16 1	5	49	3.3	Beobachtung recht mühsam.
30	O	W	H	» 26	13 4	14 7	5	40	3.4	Bilder sehr schwach.
31	O	W	H	» 26	16 1	16 55	4	40		
32	O	W	H	Juni 1	14 50	15 45	4	41	3.3	
33	O	W	H	» 6	13 29	14 37	5	43		Bilder im allgemeinen sehr schlecht, erst gegen Ende [etwas besser.
34	O	W	H	» 6	16 55	17 55	5	44	4.4	
34^a	O	W	H	» 20	17 38	17 55	2	10		Wolken.
35	O	W	H	» 22	17 20	18 28	5	42		Sterne sehr schwach u. schwer zu beobachten.
36	O	W	H	» 24	17 38	18 41	5	47		Bilder schlecht u. schwer zu beobachten.
37	O	W	H	» 25	18 41	19 44	5	66		
37^a	W	W	H	» 30	18 41	19 6	3	15		Wolken.
38	W	W	H	Juli 2	16 1	16 55	5	43	4.3	
39	W	W	H	» 2	18 41	19 30	5	42		Wolken.
40	W	W	H	» 3	16 55	17 55	5	39		
41	W	W	H	» 3	19 30	20 30	5	70		
41^a	W	W	H	» 4	17 20	17 45	2	15		Wolken.
42	W	W	H	» 5	15 43	16 43	5	61		
43	W	W	H	» 6	16 1	17 4	4	59		
44	W	W	H	» 6	18 41	19 44	5	60		

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1889						
45	W	W	H	Juli 8	$17^h 57^m$	$19^h 0^m$	5	56		
46	W	W	H	» 11	16 1	17 4	5	61		
47	W	W	H	» 18	17 20	18 28	5	46		
48	W	W	H	» 20	18 41	19 44	6	82		
49	W	W	H	» 23	17 11	18 15	5	58	3.3	
50	W	W	H	» 23	19 44	20 41	5	55	3.4	Mehrere Sterne durch Versagen des Chron. verloren.
51	O	B	H	Aug. 1	19 44	20 41	5	39	2-3 . 3	
52	O	B	H	» 1	21 25	22 29	6	31		Wolken, zuletzt ganz bedeckt.
53	O	B	H	» 2	20 26	21 25	5	35	2.3	Bilder gegen Ende besser.
54	O	B	H	» 4	21 25	22 51	6	56	1-2 . 2	
55	O	B	H	» 6	20 31	21 6	4	27	2 . 2-3	
56	O	B	H	» 7	20 26	22 0	8	54	3 . 2-3	
57	O	B	H	» 10	18 15	19 44	8	57	2 . 2-3	Sterne mehrfach sehr schwach, Beob. teilweise sehr [unsicher.
58	W	B	H	» 29	18 15	19 44	8	56	1-2 . 2	
59	W	B	H	» 29	21 25	22 51	6	57	1-2.2-3	
60	O	W	H	» 30	17 55	19 0	5	57	3.3	
61	O	W	H	» 30	21 3	22 4	5	43		
61^a	O	W	H	» 31	18 41	19 2	2	25		Wolken.
62	O	W	H	Sept. 5	22 24	23 21	5	40		Neblige Luft, kriechende Bilder.
63	O	W	H	» 7	18 41	19 44	5	59		S. dunst., geg. Ende Wo. St. s. schw. Beob. unsicher.
64	O	W	H	» 9	20 26	21 25	5	46		Dunstig, Bilder unruhig (kriechend), meist s. schwach [u. nur mühsam zu beob.
65	O	W	H	» 10	18 41	19 44	5	72	3.3	
66	O	W	H	» 10	22 29	23 29	6	50		
67	O	W	H	» 13	19 30	20 31	5	64		Dunst und Wolken.
68	O	W	H	» 16	20 11	21 10	5	50	4.4	
69	O	W	H	» 17	20 11	21 10	5	53	4.4	
70	O	W	H	» 17	22 51	23 53	5	59	4.3	
71	O	W	H	» 25	20 54	22 0	6	55	4.4	
72	W	H	Z	Nov. 11	1 58	3 7	4	43	4.4	
73	W	H	Z	» 11	4 48	5 54	6	42		
74	W	H	Z	» 12	20 54	22 0	6	43		
75	W	H	Z	» 12	23 44	0 44	6	37		
76	W	H	Z	» 12	2 51	3 47	4	44		
77	O	H	Z	» 13	20 54	22 0	6	42		Sterne mehrfach sehr schwach.
78	O	H	Z	» 18	21 48	22 59	6	44		
79	O	H	Z	» 18	1 58	3 7	5	49		
80	O	H	Z	» 24	3 27	4 26	6	40	4	
81	O	H	Z	» 24	4 48	5 54	6	46	4.4	
82	W	H	Z	Dez. 16	3 37	4 26	5	30		
83	W	Z	H	» 27	1 58	3 38	6	45		
84	W	Z	H	» 27	5 42	7 4	5	39		Sterne teilweise sehr schwach.
85	W	Z	H	» 28	5 12	6 35	6	40		Sterne teilweise sehr schwach.
				1890						
86	W	Z	H	Jan. 1	1 3	2 32	7	40		☾ u. Dunst, schwächere Sterne zuweilen kaum geahnt.
87^a	W	Z	H	» 5	2 37	4 6	6	49		Du. u. Wo., Zone als »nicht beobachtet« zu betrachten.
87	W	Z	H	» 21	5 42	6 57	5	45		Sterne vielfach sehr schwach.
87^b	O	Z	H	» 22	2 37	3 36	4	30		Fortw. Störung. d. Du. u. Wo., Z. als »nicht beob.« zu [betrachten.
88	O	Z	H	» 31	3 7	4 6	4	43		Sterne mehrfach sehr schwach.
89	O	Z	H	» 31	6 42	7 54	5	44		
90	O	Z	H	» 31	8 30	9 45	3	57		2 Anhaltsterne durch falsche Einstellung verfehlt.
91	O	Z	H	Febr. 1	2 37	4 6	6	58		Sterne vielfach sehr schwach.
92	O	Z	H	» 1	7 54	9 8	6	39		Sterne vielfach sehr schwach.
93^a	O	H	Z	» 2	2 37	3 1	2	18		Registrieruhr bleibt während der Beobachtung stehen.
93	O	H	Z	» 2	4 48	6 9	8	59		
94	O	H	Z	» 3	2 37	3 57	6	58		
95	O	Z	H	» 4	3 7	4 18	5	37		Dunst und Cirri, Sterne mehrfach sehr schwach.

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt- Sterne	Anzahl der Zonen- Sterne	Bilder	Bemerkungen
				1890						
96	O	Z	H	Febr. 4	5^h42^m	$7^h\ 4^m$	5	46		Sterne teilweise sehr schwach.
97	O	Z	H	» 5	5 42	7 16	6	59		Sterne vielfach sehr schwach und kaum geahnt.
98	W	Z	H	» 7	5 42	6 49	5	50	4	Sterne teilweise sehr schwach und kaum geahnt.
99	W	Z	H	» 7	8 30	9 45	4	46		Sterne vielfach sehr schwach und kaum geahnt.
100	W	Z	H	» 8	6 42	7 54	5	43	4	Sterne größerenteils sehr schwach und kaum geahnt.
101	W	H	Z	» 9	8 30	9 26	4	41		
102	W	Z	H	» 10	3 7	4 18	5	43		Sterne teilweise sehr schwach.
103	W	Z	H	» 10	6 9	7 23	5	57		Sterne 9^m kaum geahnt.
104	W	Z	H	» 10	7 54	9 8	6	41		Schwächere Sterne kaum geahnt.
105	O	Z	H	» 11	3 27	4 48	6	47		Sterne 9^m kaum geahnt.
106	O	Z	H	» 11	5 12	6 35	6	43		Bilder zuletzt sehr schlecht, Sterne 9^m kaum geahnt.
107ª	O	Z	H	» 12	4 6	4 55	3	19		Sterne äußerst schwach, Störung im Chronographen.
107	O	Z	H	» 12	5 42	6 49	5	50		Sterne 9^m kaum geahnt.
108	O	Z	H	» 14	6 9	7 22	5	58		Sterne sehr schwach.
109	O	Z	H	» 14	9 26	10 35	5	42		Sterne 9^m kaum geahnt.
110	O	H	Z	» 16	6 49	8 13	7	66		
111	O	Z	H	» 17	4 6	5 18	5	42		Sterne 9^m kaum geahnt.
112	O	H	Z	» 17	6 35	7 54	6	58		
113	W	H	Z	» 18	4 18	5 30	8	47		Sehr dunstig, Bilder teilweise ungeheuer schwach; gut.
114	W	H	Z	» 19	4 26	5 42	6	50		
115	W	H	Z	» 19	8 30	9 45	6	50		
116	W	H	Z	» 20	4 48	6 9	8	54		
117	W	H	Z	» 20	7 54	9 3	5	50		
118	W	H	Z	» 24	6 49	7 54	5	50		
119	W	Z	B	» 28	9 52	11 11	6	46	4	Sterne sehr schwach, Beobachtung unsicher.
120	W	Z	B	März 1	5 18	6 22	6	44		Sterne teilweise sehr schwach.
121	W	Z	Ko	» 3	5 59	7 16	7	55		
122	W	Z	B	» 12	6 49	7 54	6	47		Sterne 9^m kaum geahnt.
122ª	W	Z	Ko	» 12	9 26	10 5	3	26		Sterne 9^m kaum geahnt, zuletzt bedeckt.
123	W	H	Z	» 19	10 17	11 24	5	46		
123ª	W	H	Z	» 22	9 3	9 54	4	30		Sterne teilweise sehr schwach, Wolken.
124ª	W	H	Z	» 26	7 54	8 41	4	20		Wolken.
124	W	H	Z	» 28	8 41	9 54	5	53		Dunstig.
125	W	H	Z	» 28	10 17	11 31	6	51		
126	W	H	Z	» 29	8 49	10 5	5	55	4	Sterne teilweise sehr schwach.
127	W	H	Z	» 29	11 55	13 4	6	49		Anfangs schlecht, gegen Ende besser.
128	W	H	Z	» 30	11 11	12 22	6	48		Sterne 9^m sehr schwach.
129	W	H	Z	» 31	11 44	13 4	6	57	4.4	Schwächere Sterne kaum geahnt.
130	W	H	Z	April 1	7 54	9 3	5	52	2-3 . 2	Sterne teilweise recht schwach.
131	W	H	Z	» 1	13 4	14 17	5	51	4.4	Deklinationen sehr unsicher.
132ª	O	H	Z	» 2	7 54	9 3	4	31		Anfangs Störung im Apparat.
132	O	H	Z	» 2	11 55	13 4	6	49		Sterne 9^m sehr schwach.
133	O	H	Z	» 12	10 17	11 24	5	45		
134	O	H	Z	» 12	13 4	14 17	6	53		
135	O	H	Z	» 13	9 3	10 17	6	52		Sterne teilweise sehr schwach.
136	O	H	Z	» 13	11 44	13 4	6	61	3	Bilder zuletzt sehr unruhig u. recht schwer einzustellen.
137	O	H	Z	» 21	10 17	11 55	9	67		Anfangs gut, gegen Ende schlechter.
138	O	H	Z	» 28	11 11	12 22	6	49		Dunst., Bild. r. schwach, anfangs jed. s. ruhig u. scharf,
139	O	H	Z	» 28	14 7	15 11	6	45		Schwächere St. kaum geahnt. [geg. Ende schlecht
140	O	H	Z	» 29	13 29	14 50	6	66		Bilder sehr unruhig und teilweise sehr schwach.
141	W	H	Z	Mai 3	11 11	12 22	6	54		
142	W	H	Z	» 5	13 29	14 50	6	66		
143	W	H	Z	» 6	11 15	13 7	8	48		Dunstig.
144	W	H	Z	» 6	14 7	15 11	6	44	4	Einstellung s. schwierig u. daher Dekl. wahrscheinlich
145	W	Z	H	» 7	11 15	12 42	6	51	4	Dunstig. [sehr unsicher.
146	W	Z	H	» 15	12 14	13 35	6	62	2.3	Bilder im Lauf der Zone weniger gut.

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1890						
147	W	Z	H	Mai 15	15^h28^m	16^h30^m	5	53		
148	W	Z	H	» 16	12 14	13 35	6	63	2.2	
149	W	Z	H	» 16	15 28	16 30	5	57		Dunst?, Sterne bisweilen sehr schwach.
150	O	Z	H	» 23	12 14	13 35	6	55	4	Zone wegen sehr schlechter Luft von geringem Wert.
151	O	Z	H	» 23	15 28	16 30	5	57	3	Luft besser als in d. ersten Zone, Sterne sehr schwach.
152	O	Z	H	» 24	12 14	13 35	6	55	3	Sterne sehr schwach.
153	O	Z	H	» 29	15 28	16 30	5	51	2-3 . 2	Sterne sehr schwach, Dekl. nicht gut.
154[a]	O	Z	H	Juni 3	13 27	14 50	6	53		Z. gilt nicht, Stör. i. Chron. u. Berühr. zw. Pfeiler u. [Instrument.
154	O	Z	H	» 9	13 49	15 18	7	69		Instrum. verzieht sich häufig in Dekl.
155	O	Z	H	» 9	16 36	17 42	5	56		Dasselbe wie in der vorhergehenden Zone.
156	O	Z	H	» 16	14 17	15 38	6	58		Berührung zwischen Pfeiler u. Instrument scheint noch [vorhanden.
157	O	Z	H	» 16	17 10	18 15	5	54	3-4	
158	O	Z	H	» 18	15 27	16 29	5	55		Wolken, auch mehrfach Verziehungen in Dekl.
159	O	Z	H	» 20	15 9	16 25	6	60	2	Sterne sehr schwach.
160[a]	W	Z	H	» 23	15 9	16 3	4	35	4	Sterne $8^m_{\cdot}5$ kaum zu ahnen, Z. hat nur Wert als Kontr.
160	W	Z	H	» 25	15 9	16 25	6	62	2-3	Luft anfangs gut, nachher schlechter, Sterne s. schw.
161	O	H	Z	Aug. 9	17 20	18 28	5	51	2	Sterne sehr schwach, teilweise kaum gesehen.
162	O	H	Z	» 14	17 20	18 28	5	53		Unruhige Bilder.
163	O	H	Z	» 14	19 49	21 3	6	53	3	
164	W	H	Z	Sept. 2	20 5	21 15	4.5	51	2	Anfangs Dunst.
165	W	H	Z	» 3	20 5	21 10	5	51	3	
166	W	H	Z	» 6	20 5	21 10	5	50	2-3	Luft dunstig, aber gut, zuletzt schlechter.
166[a]	W	H	Z	» 6	21 48	22 28	4	28		Wolken.
167	W	H	Z	» 8	19 0	20 31	7	69	4	Sterne sehr schwer einzustellen.
168	W	H	Z	» 8	22 46	23 44	5	46	4	
169	O	H	Z	» 9	19 0	20 31	7	69	2.2	
170	O	H	Z	» 9	22 46	23 44	5	49	2-3	Anfangs gut, später schlechter.
171	O	H	Z	» 10	20 5	21 15	5	58	2-3	
172	O	H	Z	» 10	22 29	23 34	5	52		
173[a]	O	H	Z	» 13	19 0	20 31	7	75	4	Kaum zu gebrauchen.
173	O	H	Z	» 15	19 0	20 31	7	74	3	
174	O	H	Z	» 15	21 48	22 59	5.7	45	4	
175	O	H	Z	» 16	19 0	20 31	8	66	3	Sterne sehr schwach.
176	O	H	Z	» 17	19 0	20 31	6.7	72	2-3	
177	O	H	Z	» 17	22 0	23 11	6	53	1	
178	O	H	Z	» 25	22 46	23 53	7	48	2	
179	W	H	Z	» 27	19 0	20 31	8	74	3-2	
180	W	H	Z	» 27	22 0	23 11	6	53	2	
181	W	H	Z	» 29	19 0	20 31	7	74	3-2	
182[a]	W	H	Z	Okt. 8	19 46	20 11	3	17	4	Bald nach Beginn bedeckt.
182	W	H	Z	» 8	22 29	23 34	5	51	4	Kaum brauchbar.
183	W	H	Z	» 9	19 46	21 3	6	60	3-2. 2-3	
184	W	H	Z	» 9	22 46	23 53	7	50	4-3	Anfangs s. schlecht, nachher besser, doch immer noch [sehr unruhige Bilder.
185	W	H	Z	» 10	19 24	20 41	5	64	2.2	
186[a]	W	Z	H	» 10	22 51	0 2	6.7	45	4.4	St. fast durchgängig kaum geahnt, Z. hat wenig Wert.
186	W	Z	H	» 11	19 55	21 10	5	58		Dunst, Sterne fast durchgehends kaum geahnt.
187	W	Z	H	» 11	22 51	0 2	6.7	51		Wie in der vorhergehenden Zone.
188	W	Z	H	» 12	21 40	23 11	6	63		Luft größtenteils s. schlecht, gegen Ende zieml. gut.
189	W	Z	H	» 13	20 14	21 40	7	58	3.2	Sehr starker Nebel, Sterne schwach.
190	W	Z	H	» 14	20 41	22 15	7	76	2.2	Ziemlich dichter Nebel.
191[a]	W	Z	H	» 20	21 3	21 25	3	12	4	Bald nach Beg. bed., Z. wertlos, nur z. Kontr. geeignet.
191[b]	O	Z	H	» 22	19 55	20 5	2	6		Sogleich wieder bedeckt.
191	O	Z	H	» 29	19 55	21 10	5	53	3-4.2-3	Hellere Sterne geschwänzt.
192[a]	O	Z	H	Nov. 26	21 40	23 11	6	61	4.4	Zone hat wenig Wert.
192	O	Z	H	» 26	1 11	2 26	5	66	4.4	Zone hat wenig Wert.
193	O	Z	H	Dez. 8	22 51	0 2	7	48		Sehr feuchte Luft, St. zu schwach, Z. hat wenig Wert.

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt- Sterne	Anzahl der Zonen- Sterne	Bilder	Bemerkungen
				1890						
194ª	W	Z	H	Dez. 12	3^h57^m	4^h45^m	4	42	4.4	Zone hat keinen Wert, nur zur Kontrolle geeignet.
194	W	Z	H	» 13	23 29	0 42	6	48	4	Dunstig u. neblig, Sterne größtenteils kaum geahnt.
195	W	Z	H	» 13	4 9	5 19	5	53	4	Z. noch schl. als die vorhergehende, hat keinen Wert.
				1891						
196ª	W	Z	H	Jan. 8	0 13	0 42	3	18	2	D. Nebel, St. von $8^m.0$ ab nur i. dunkl. Feld zu ahnen,
196ᵇ	W	Z	H	» 8	1 11	2 8	4	37		Wie vor. Z., nur z. Kontr. brauchbar. [Z. wertlos.
196	W	Z	H	» 9	0 57	2 20	6	55	4.4	St., selbst die helleren, nur zu ahnen, Dekl. überhaupt ganz unbrauchbar, zuletzt ganz bewölkt.
197	O	Z	H	» 11	0 57	2 20	6	69	4.4	St. wie Nebelflecke, durchgehends kaum geahnt, Beob.
198	O	Z	H	» 11	2 51	4 9	7	57	4.4	Ebenso schlecht wie vorherg. Zone. [unsicher.
199	W	Z	H	» 16	5 54	7 16	6	70	4.4	Dekl. sehr unsicher.
200	W	Z	H	» 18	1 35	2 56	6	65	3.4	Sterne $9^m.0$ nicht mehr brauchbar, ☾.
201	W	Z	H	» 29	2 51	4 9	7	60		
202	W	Z	H	» 29	6 17	7 31	5	67		Sterne recht unruhig.
203	W	Z	H	Febr. 9	3 57	5 18	6	69	2.3	Sterne sehr schwach, $9^m.0$ nicht mehr brauchbar.
204	W	Z	H	» 9	6 35	7 40	5	61		Wie die erste Zone des Abends.
205	W	Z	H	» 9	8 20	9 35	6	68		Wie die erste Zone des Abends.
206	O	Z	H	» 13	3 57	5 18	6	71	3-4.3-4	Sterne äußerst schwach.
207	O	Z	H	» 13	8 20	9 33	5	70		Wie vorhergehende Zone.
208	O	Z	H	» 14	4 9	5 19	5	57		St. anfangs s. schwach, später besser, Dunst u. Rauch.
209	O	Z	H	» 14	8 34	9 54	6	75	3.3	Beob. ziemlich unsicher.
210	O	Z	H	» 16	5 54	7 16	5	69		Sterne sehr unruhig und äußerst schwach; ☾ u. Dunst.
211	O	H	Z	» 16	9 3	10 25	6	69		[zu beobachten.
212	W	Z	H	» 21	4 40	5 59	5	67	4.4	Du. u. Nebel. Mehrz. d. St. nur in ganz dunklem Feld
213	O	Z	H	» 22	4 40	5 59	5	70		L. 1. Hälfte g., dann schlechter, St. äuß. schw., N. u. Du.
214	O	Z	H	» 23	6 17	7 31	5	70		Anfangs gut, aber St. äußerst schw. weg. ☾ u. Du., in
215	O	H	Z	» 25	5 59	7 16	7	54	2-3 . 2	Sterne sehr schwach. [der 2. Hälfte s. unruhig.
216	O	Z	H	» 26	6 35	7 40	5	60		Sehr unruhige Luft.
217	O	H	Z	» 26	8 49	10 5	5	66		Sehr dunstig, Bilder s. schwach, unruhig u. schlecht.
218	O	H	Z	» 28	6 9	7 22	6	65	2.2	
219	O	H	Z	» 28	9 45	11 15	6	67	2.2	Dunst.
220	O	H	Z	März 6	6 9	7 22	5	64		Luft bewegt, mäßig gute Bilder.
221	O	H	Z	» 6	7 54	9 3	5	52		
222	O	H	Z	» 6	11 24	12 41	7	56	4.4	Zone hat keinen Wert.
223	O	H	Z	» 13	6 22	7 36	6	65		
224	O	H	Z	» 13	9 26	11 21	8	100	2-3 . 2	
225	O	H	Z	» 21	10 55	12 41	7	97		Sterne teilweise sehr schwach.
226	O	H	Z	» 22	7 36	8 46	5	63		Luft unruhig, Bilder schwach, mittelgut.
227	W	H	Z	» 23	12 22	13 35	5	65	3.3	
228	W	H	Z	» 24	9 3	10 25	6	71		Luft mäßig ruhig, Dunst, Sterne sehr schwach.
229	O	H	Z	April 1	8 30	9 54	6	72	2-3 . 2	
230	O	H	Z	» 1	12 22	13 35	5	65		
231ª	O	H	Z	» 9	9 3	9 46	3.2	36		Unruhig, später Wolken und bedeckt.
231	O	H	Z	» 19	12 0	13 4	5	53	3.2	
232	W	H	Z	» 20	9 45	10 59	6	65	2.2	
233	W	H	Z	» 21	9 45	10 59	5	53	3	Luft sehr schlecht, Unterbrechungen durch Wolken.
234	O	Z	H	» 26	11 55	13 4	5	39		Störungen durch Wo. [rapid. Temp.-Abn. s. schl.
235	O	Z	H	» 29	12 41	14 49	10	87		Anfang u. Ende leidl. gut, i. d. Mitte wohl weg. plötzl.
236ª	W	Z	Ko	Mai 20	11 54	13 3	5	33		Beobachtungen nur durch Wolkenlücken erhascht.
236	W	Z	Ko	» 22	12 15	14 49	12	101	3	
237	W	Z	H	Juni 5	13 19	14 50	7	70		Cirri, Sterne oftmals nur mit Mühe geahnt.
238	W	Z	H	» 12	14 17	15 18	5	44	4.4	Größtenteils durch Wolken, sehr schlechte Zone.
239	W	Z	H	» 16	13 49	15 18	7	52	4.4	Anfangs ganz durch Wo., Z. durchgehends schlecht.
240	W	Z	H	» 17	14 44	17 10	10	106	3.3	Himmel voll von Cirri, $9^m.0$ schon nicht mehr einzust.
241	O	Z	H	» 20	14 44	16 12	6	61	4.4	Du. u. Ci, Mehrz. d. St. in ganz dunkl. Feld beob., daher
242	O	Z	H	» 22	15 43	17 10	6	64	2-3 . 2	Dunst u. viel Cirrusgewölk. [äußerst unsicher.

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1891						
243	O	Z	H	Juni 22	18^h22^m	19^h30^m	5	64		Sterne entsetzlich schwach.
244	O	H	Z	» 27	16 8	18 15	10	104		Bilder unruhig und schwach.
245	O	Z	H	» 28	14 55	16 1	5	53		[äußerst schwach.
246	W	Z	H	» 29	14 55	16 1	5	53		Sehr wechselnd, oftmals dichte Cirri, Sterne zuweilen
247ª	W	Z	H	» 29	18 22	19 6	2	27	4	Wolken und sehr schlechte Luft, Zone völlig wertlos.
247	O	H	H	Juli 13	16 25	18 37	9	46	4.4	
248	W	H	H	» 14	16 25	18 41	9	55		Unruhige Luft.
248ª	O	H	H	» 31	19 30	20 43	5	24		Wolken, nachher ganz bedeckt, Z. hat keinen Wert.
249	O	Z	H	Aug. 5	17 4	18 21	6.5	58	4.4	Sterne wie Nebelflecke, äußerst unsicher.
250ª	W	Z	H	» 8	17 8	18 15	5	38		Ganz durch Wolken, Cirri, Zone wertlos.
250	W	H	Z	» 8	20 5	21 25	6	68		Luft sehr wechselnd, anfangs mäßig gut, dann sehr schlecht, schwächere Sterne kaum gesehen.
251	W	Z	H	» 11	17 4	18 22	6	65		Luft gut, Sterne wie Nebelflecke, daher sehr schwach.
252	W	H	Z	» 11	20 5	21 25	6	67		Luft anfangs schl., spät. besser, schw. St. kaum geahnt.
253	W	Z	H	» 17	17 20	19 6	9	85	4.4	Fast durchgehends im dunklen Feld beob., Z. völlig
254	W	H	Z	» 17	21 40	22 59	6	72	4.4	[wertlos, nur zur Kontrolle.
255ª	W	Z	H	» 25	17 52	18 22	3	14		Dichte Cirri, unbrauchbar.
255	W	Z	H	» 26	17 52	19 30	7	79	3-4.3-4	Sterne äußerst schwach.
256	W	Z	H	» 26	22 18	23 37	6	66	3-4.3-4	Sterne äußerst schwach, sehr anstreng. Beobachtung.
257	W	Z	H	» 27	18 22	19 46	6	80	3-4.3-4	Beobachtung sehr anstrengend, da Sterne zu schwach.
258	W	H	Z	» 28	19 6	20 11	6	57	3 . 2-3	
259	W	H	Z	» 28	21 3	22 24	5	66	3.3	
260	W	Z	H	» 29	21 3	22 11	6	53	4.4	Sterne kaum einzustellen, Zone sehr schlecht.
261	W	H	Z	Sept. 1	20 5	21 10	5	43	3	Wolken.
262	W	Z	H	» 2	18 28	19 49	6	73	3-4.3-4	Sterne sehr schwach.
263	W	Z	H	» 2	21 3	22 3	5	42		
264	O	H	Z	» 3	18 22	19 55	6	89	2-3	Sterne sehr schwach.
265	O	H	Z	» 3	21 10	22 24	5	64	4.4	
266	O	H	Z	» 7	18 22	19 49	6	78	3	Sehr wechselnd, meist schlechte Luft.
267	O	Z	H	» 7	21 3	22 29	6	71		Anfangs leidlich, später äußerst unruhig, Bild. mäßig.
268	O	Z	H	» 8	17 52	20 14	9	80	3.3	Sterne kaum zu ahnen.
269	O	H	Z	» 8	23 44	0 44	5	53		Unruhige Luft.
270	O	Z	H	» 9	20 5	21 25	5	74	4.4	Sterne sehr schwach und wie Nebelflecke.
271	O	H	Z	» 9	0 2	1 11	5	71	4.4	Zone fast unbrauchbar.
272	O	H	H	» 10	18 28	21 3	10	63	4 . 3-4	Z. im ganzen nicht viel wert, St. s. schw. u. entsetzlich
273	W	H	Z	» 12	23 34	0 58	6	82	4	[unruhig, bes. die unter 9ᵐ.0.
274	W	Z	H	» 13	23 53	1 18	6	75	4.4	St. äußerst schwach, Z. von gering. Wert. [geahnt.
275	W	Z	H	» 16	19 15	20 11	4	40	4.4	Du., F. so dunk., d. Fäd. kaum sichtb. u. trotzd. St. nur
276	W	H	Z	» 16	23 53	1 18	6	79	3	Dunst. u. unruhige Luft, Sterne oftmals kaum geahnt.
277	W	H	Z	» 24	23 53	1 30	8	82	3.2	
278	O	Z	H	» 25	23 53	1 18	6	76	4.4	Zone sehr unsicher.
279	O	H	Z	» 28	0 2	1 30	7	79	3.2	
280	O	Z	H	» 29	0 42	1 58	6	62		Anfangs mäßig, später besser, Sterne sehr schwach.
281	O	Z	H	» 29	2 22	3 25	5	60		Zuletzt schlecht.
282	O	H	Z	» 30	1 11	2 56	8	97	3	Sterne teilweise sehr schwach.
283	O	H	H	Okt. 1	20 26	22 59	9	44		Anfangs L. u. B. zieml. gut, geg. Ende bed. schlechter.
284	O	H	H	» 5	22 4	22 59	4	14		Luft zuerst gut, später unruhig, bald dichter Nebel.
285 I	W	Z	H	» 6	20 41	21 48	4	44		
» II	»	Z	Z	» »	22 0	22 43	4	5		Wolken.
286	W	Z	H	» 6	1 3	2 20	6	70	4.4	Sterne äußerst schwach, Zone ziemlich wertlos.
287	W	Z	H	» 6	2 38	3 52	5	73	4.4	Zone sehr schlecht.
288 I	W	H	H	» 9	1 11	2 38	6	66	3.2	
» II	»	H	Z	» »	3 7	3 32	2	23	3.2	
289	W	Z	H	» 10	1 30	3 10	8	80		
290 I	W	H	Z	» 15	19 19	19 44	3	1		Wolken.
» II	»	H	H	» »	20 5	20 41	4	4	4	

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1891						
290 III	W	H	H	Okt. 15	2^h22^m	2^h37^m	3	2	2.2	
» IV	»	H	Z	» »	3 27	4 48	6	84		Luft sehr unruhig.
291	O	H	Z	» 22	1 18	3 27	9	85		Sehr unruhige Luft, in der zweiten Hälfte besser.
292 I	O	H	H	» 23	21 40	23 37	7	19		
» II	»	Z	Z	» »	23 53	1 11	5	4		Dichter Nebel.
293ᵃ	O	Z	H	» 29	3 7	3 34	2	14	4	Bald nach Beginn ganz bedeckt.
293	O	Z	H	» 30	3 7	4 18	6	55	4.4	Zone sehr schlecht.
294 I	W	Z	Z	Nov. 5	2 22	3 38	6	10	4.4	Sterne kaum geahnt, ganze Zone äußerst schlecht.
» II	»	Z	H	» »	3 52	5 12	7	70	4.4	
295	O	H	Z	» 6	3 52	5 12	8	68	4.4	
296ᵃ	O	H	Z	» 26	4 9	4 26	2	7		Wolken.
296	O	H	Z	» 27	4 9	5 30	8	76	2.2	
297	W	Z	H	Dez. 18	4 45	6 17	7	95	4.4	St. wie Nebelflecke, Z. wahrscheinlich ganz wertlos.
298	W	Z	H	» 18	6 35	7 36	6	60	4.4	Wie vorhergehende Zone.
299	W	Z	H	» 19	4 45	5 59	6	60	4.4	Luft und Bilder zu schlecht, Z. gänzlich unbrauchbar.
300	W	Z	H	» 19	6 17	7 22	5	60	4.4	Wie vorhergehende Zone.
301	W	Z	H	» 20	4 54	6 22	8	80	4.4	Zone sehr schlecht.
302	O	Z	H	» 21	4 18	5 51	7	59	2-3 . 4	Mehrzahl der Sterne kaum geahnt.
303	O	Z	H	» 22	4 48	5 59	6	65		
304	O	Z	H	» 22	6 17	7 22	6	65		
305	O	H	Z	» 23	5 3	6 22	6	80	3.2	Sterne unter $9^m.0$ kaum geahnt.
				1892						
306	W	H	Z	Jan. 15	5 3	6 22	7	75	4.4	Sterne unter $9^m.0$ kaum in dunklem Feld gesehen.
307ᵃ	W	H	Z	» 18	4 54	5 42	4	18		Weg. dicht. Neb. bald aufgegeben, Z. hat keinen Wert.
307	W	H	Z	» 19	4 54	6 17	7	66		Neb., St. entsetzl. schwach u. unr., Z. hat keinen Wert.
308	W	H	Z	» 19	7 16	8 20	5	71	4.4	Sterne äußerst schwach u. unr., entsetzl. verwaschen, [Zone hat wenig Wert.
309 I	O	H	H	» 20	2 26	4 9	7	10	4.4	
» II	»	H	Z	» »	5 18	5 42	2	20	4.4	
» III	»	Z	Z	» »	5 51	7 4	6	38	4.4	Zone wertlos.
310	O	H	Z	» 20	7 22	8 30	6	76		Sterne mehrfach kaum geahnt.
311ᵃ	O	Z	H	» 21	5 18	6 22	6	18		Dichter Nebel.
311	O	H	Z	» 28	6 57	8 8	5	71	3.2	
312	O	Z	H	Febr. 4	5 18	6 35	6	59		
313ᵃ	O	Z	H	» 4	7 36	8 8	2	36		St. s. schw., $9^m.0$ nicht mehr geahnt, bald ganz bedeckt.
313ᵇ	O	Z	H	» 9	5 12	5 30	2	2		Sogleich nach Beginn ganz bedeckt.
313	O	Z	H	» 22	9 22	10 35	6	62	4.4	Sterne äußerst schwach.
314	O	Z	H	» 23	7 40	9 3	7	73		Dicht. Du., St. stellenw. gar nicht zu sehen, Luft sonst [gut.
315	O	Z	H	» 23	10 12	11 21	5	53		Dicht. Nebel, St. meistens kaum geahnt.
316	W	Z	H	März 5	4 45	6 57	9	100		
317	W	H	Z	» 5	10 5	11 15	6	66	3 . 2-3	
318	W	Z	H	» 6	6 9	7 4	5	55	2-3.2-3	Sterne sämtlich sehr schwach.
319	W	H	Z	» 6	10 35	11 50	6	67	3	Schwächere Sterne kaum gesehen.
320	W	Z	H	» 7	5 9	7 36	9	85		
321	W	H	Z	» 7	10 25	12 22	8	71		Luft anfangs mäßig gut, nachher sehr unruhig, Sterne [sehr schwach.
322 I	W	Z	H	» 8	6 49	8 34	7	96	4.4	
» II	»	Z	Z	» »	10 35	11 31	6	5	4.4	Dichter Dunst, später Wolken.
323	O	Z	H	» 9	5 12	8 20	13	111		
324	W	H	Z	» 12	7 4	8 34	7	79	3.2	
325	W	H	Z	» 15	7 4	8 46	8	84	2-3 . 2	
326	W	H	Z	» 17	6 42	8 49	9	103		Unruhige Luft, schwächere Sterne kaum gesehen.
327	W	H	Z	» 19	7 31	9 45	10	109	4.3	
328	O	H	Z	» 21	7 16	8 53	7	86	2.2	Zuletzt etwas unruhig.
329	O	H	Z	» 22	7 31	9 3	7	90	2.2	
330	O	H	Z	» 23	7 54	9 26	6	67		Luft etwas unruhig.
331	O	H	Z	» 23	11 55	13 19	7	49	4 . 3-4	Z. hat wenig Wert, bes. geg. Ende werd. Bild. äußerst [schlecht u. unruhig.
332	O	H	H	» 24	6 35	10 5	12	56		Luft im Verlauf der Zone mehr und mehr unruhig, [zuletzt sehr schlecht.

Zone	Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Dauer von	Dauer bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bilder	Bemerkungen
				1892						
333 I	W	Z	Z	März 25	$6^h 57^m$	$8^h 8^m$	6	20	2.2	
» II	»	H	H	» »	8 13	8 50	3	14	2	
» III	»	H	Z	» »	8 53	10 17	6	77		Luft unruhiger.
334	W	Z	H	» 31	9 3	10 59	8	63	4.4	Beob. sehr unsicher.
335	W	H	Z	» 31	11 55	13 29	8	52	4.4	
336 I	W	Z	Z	April 1	9 22	11 34	8	32	3.2-3	[Z. hat gar keinen Wert.
» II	»	H	H	» »	11 44	14 10	9	23		Unruh. Luft u. stark. Du., St. kaum i. dunkl. F. geahnt,
337 I	O	H	H	» 2	8 18	11 21	10	36		Luft sehr unruhig, Zone hat wenig Wert.
» II	»	Z	Z	» »	11 24	13 29	8	25	4.4	
338 I	O	Z	H	» 4	11 11	12 0	4	28		Sterne überaus schwach.
» II	»	Z	H	» »	13 4	13 56	5	33		Sterne sehr verwaschen und schwach.
339	W	Z	H	» 23	13 19	14 40	7	51	4.4	Beob. höchst unsicher.
340 I	O	Z	H	» 27	10 35	11 44	6	27		
» II	»	Z	H	» »	13 35	13 56	2	9		Durch Wolken, wertlos.
341	O	Z	H	Mai 2	13 19	14 17	5	44		Anfangs gut, zuletzt weg. Du. u. Wo. St. kaum geahnt.
342	O	Z	H	» 7	13 35	15 11	8	62	4.4	Zone äußerst unsicher.
343	O	Z	H	» 9	14 7	15 18	5	35		Himmel voll Cirri, Mehrzahl d. Sterne kaum geahnt.
344	O	Z	H	» 12	14 7	15 31	6	38	4.4	
345	W	Z	H	» 13	13 35	14 55	6	58	4.4	Zone sehr unsicher.
346ᵃ	W	H	H	» 18	13 29	14 45	6.5	7		
346	W	H	H	» 22	14 37	16 55	9	43	4.4	Sterne ungeheuer schwach, Zone sehr schlecht.
347	W	Z	H	» 24	14 37	16 12	7	41		
348	W	H	H	» 25	15 9	17 55	12	48		Unruhige Luft.
349	O	H	H	» 27	14 37	17 20	10	55		
350	O	H	H	» 30	15 28	18 28	11	51		Dunst und Wolken.
351	W	H	Wa	Juli 11	17 31	19 0	7	32		

Übersicht über die Einzelbeobachtungen von Zonensternen.

Kreis-lage	Beobachter Fernr.	Beobachter Kr.	Datum	Grenzen in A.R. von	Grenzen in A.R. bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bemerkungen
			1891					
W	Z	Z	Okt. 10	$22^h 0^m$	$23^h 54^m$	7	6	
W	H	H	» 13	21 10	22 16	6.5	3	
W	Z	Z	» 15	22 49	1 25	9.6	8	
O	Z	Z	» 22	22 59	0 24	6	9	
O	H	H	» 26	20 2	20 54	4	10	
O	Z	Z	» 26	22 36	22 48	2	1	
O	H	H	» 27	20 2	20 26	3	3	Unruhige und schlechte Bilder.
O	H	H	» 28	20 14	21 40	5	6	Luft und Bilder unter aller Kritik, Beob. wertlos.
O	Z	Z	» 28	23 3	0 13	4	1	Luft und Bilder äußerst schlecht, Beob. wertlos.
O	Z	Z	» 29	22 48	0 24	4	1	Luft und Bilder sehr schlecht.
W	H	H	Nov. 5	23 53	2 3	5	9	Luft und Bilder äußerst schlecht.
			1892					
W	H	H	Jan. 12	2 46	4 17	4.3	1	Sehr unruhige Luft.
O	Z	Z	Febr. 27	5 13	7 38	6.4	11	Zuletzt dichter Nebel.
W	H	H	März 3	5 20	6 17	4.3	8	
W	Z	Z	» 6	5 9	6 1	3	3	
W	H	H	» 8	5 12	5 49	3	6	
O	H	H	April 4	8 8	8 41	3	4	
W	H	H	» 7	9 22	11 9	6	11	
W	H	H	» 8	10 5	10 59	5	5	

Kreislage	Beobachter Fernr.	Beobachter Kr.	Datum	Grenzen in A.R. von	Grenzen in A.R. bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bemerkungen
			1892					
O	H	H	Mai 7	$10^h 36^m$	$11^h 8^m$	4.3	2	
W	H	H	» 17	13 4	13 29	3	1	
W	H	H	» 18	13 29	14 44	6.5	7	
O	H	H	Juni 1	16 25	17 10	5	5	
O	H	H	» 28	15 26	15 44	4	2	
W	H	H	Juli 2	15 9	15 42	4	1	
W	H	H	» 6	16 7	17 2	3	1	
W	H	H	» 8	17 30	18 53	8.5	15	
O	H	H	» 25	17 37	19 6	7	14	Sehr schlechte Luft.
W	H	H	Aug. 22	17 38	19 0	7	27	
O	Wa	Wa	Dez. 28	4 48	5 54	5.4	3	
			1893					
W	Wa	Wa	Jan. 5	5 19	5 54	4	4	
W	Wa	Wa	» 11	5 42	6 57	5	5	
W	Wa	Wa	» 12	4 9	5 12	4.3	5	
W	Wa	Wa	» 16	4 9	5 4	4	3	
O	Wa	Wa	» 28	5 12	5 59	4	2	
W	Wa	Wa	Febr. 17	5 2	7 4	4	1	
O	Wa	Wa	März 3	5 2	7 21	4.3	2	
W	Wa	Wa	» 21	6 42	8 3	3	1	
W	Wa	Wa	April 25	13 19	15 39	5.4	1	
O	Wa	Wa	Mai 29	15 18	16 31	3	2	
O	Wa	Wa	» 31	16 44	17 53	2	1	
O	Wa	Wa	Juni 2	18 48	20 11	4.2	2	
O	Wa	Wa	» 14	16 31	16 47	2	1	
W	Wa	Wa	» 18	16 31	17 29	2	2	
W	Wa	Wa	Juli 19	16 43	17 53	4	1	
W	Wa	Wa	Aug. 8	19 1	19 32	3	2	
W	Wa	Wa	» 9	18 48	19 32	4.3	3	
O	Wa	Wa	» 12	19 20	19 50	4	1	
O	Wa	Wa	» 14	19 1	19 43	4	3	
O	Wa	Wa	» 15	19 19	19 46	4	1	
O	Wa	Wa	» 16	19 19	19 46	4	1	
O	Wa	Wa	» 17	19 24	19 46	3	1	
O	Wa	Wa	» 18	19 19	19 46	4	1	
O	Wa	Wa	» 19	19 19	19 47	4	1	
O	Wa	Wa	» 25	19 0	19 30	3	1	
O	Wa	Wa	» 26	19 20	20 12	4	4	
O	Wa	Wa	» 28	19 20	19 47	4	2	
O	Wa	Wa	» 29	19 20	19 47	4	1	
O	Wa	Wa	» 30	19 20	19 47	4	1	
W	Wa	Wa	Sept. 1	19 20	19 47	4	1	Dunstig, $9^m.0$ nur bei ganz dunklem Feld sichtbar.
W	Wa	Wa	» 4	19 0	20 5	4	4	
W	Wa	Wa	» 5	19 20	19 47	4	1	
W	Wa	Wa	» 12	19 0	19 46	4	2	
W	Wa	Wa	» 14	19 20	19 46	4	2	
W	Wa	Wa	» 15	19 20	19 46	4	1	
W	Wa	Wa	» 18	19 20	19 47	4	1	
W	Wa	Wa	» 19	19 20	20 12	3	1	
W	N	N	Okt. 2	19 25	19 50	3	1	
W	N	N	» 11	19 20	19 50	4	1	
W	N	N	» 13	19 20	19 50	4	1	
O	N	N	» 19	19 20	19 50	4	1	
O	N	N	» 20	19 20	19 50	4	1	
			1895					
O	Wa	Wa	Febr. 5	5 9	5 54	5.4	1	

Kreis-lage	Beobachter Fernr.	Beobachter Kr.	Datum	Grenzen in A. R. von	Grenzen in A. R. bis	Anzahl der Anhalt-Sterne	Anzahl der Zonen-Sterne	Bemerkungen
			1895					
O	Wa	Wa	Febr. 7	$5^h\ 9^m$	$5^h 54^m$	5	1	
O	Wa	Wa	» 9	5 9	7 4	8	2	
			1903					
W	B	B	Dez. 3	22 30	23 54	5	2	
W	B	B	» 17	22 47	1 19	9	5	
W	B	S	» 29	1 19	2 51	5	10	Sterne $9^{m}.0$ und schwächer sehr unsicher.
»	B	S	» »	5 12	5 51	4	4	
W	B	S	» 30	0 58	2 51	6	6	Schlechte Bilder. Beob. der schwächeren Sterne unsicher.
»	B	S	» »	5 4	6 12	5	7	
			1904					
W	B	B	Jan. 10	1 19	4 31	8	9	Instrument steht durch Versehen des Meridianbeob. S unter einem gewissen Zwang, wodurch Beob. möglicherweise gelitten haben.
W	B	S	» 16	3 58	6 10	4	17	Ruhe 2, Schärfe 3, gegen Ende Wolken.
W	B	B	Febr. 7	4 26	5 30	3	3	Zuletzt durch Wolken.
W	B	S	» 24	6 57	10 28	9	22	
W	B	S	» 26	4 28	7 6	8	14	Anfangs 1-2, später 2.
»	B	S	» »	7 56	10 58	9	18	
W	B	S	» 27	5 14	7 37	8	13	Bald nach Beg. dunstig, so daß Sterne $9^{m}.0$ sehr schwer u. unsicher [zu beobachten, zuletzt ganz wolkig.
W	B	S	März 2	5 14	8 36	10	26	Luft und Bilder 3-2.
W	B	R	» 4	5 14	8 32	10	11	Bilder bis gegen Ende ganz abscheulich, daher Beob. mit Ausnahme der letzten Sterne sehr unsicher und teilweise kaum brauchbar; [auch Beobachter am Kr. noch nicht sicher.
W	B	S	» 5	5 14	6 24	5	4	Dunstig.
W	B	S	» 14	9 11	12 3	9	18	
W	B	B	April 11	9 12	12 4	9	8	Bilder 2-1, sehr durchsichtig.
W	B	B	» 12	11 28	13 32	6	5	
W	B	B	Mai 5	11 49	13 29	5	2	Gegen Ende dunstig und Beob. ganz unsicher.
W	B	S	» 7	13 40	13 53	2	1	Ganz dunstig.
W	B	S	» 9	13 53	15 48	5	11	Wechselnd dunstige Luft.
O	B	S	» 13	14 59	16 40	7	12	
O	B	S	» 15	13 56	17 11	11	16	Zuweilen leichte Wo., sonst sehr durchsichtig, Ruhe u. Schärfe 2-3.
O	B	B	» 17	12 22	12 42	3	1	
O	B	S	» 30	15 11	17 11	7	9	
O	B	S	Juni 11	16 2	18 24	10	14	
O	B	S	» 16	17 33	19 32	8	18	Bild. sehr scharf und ruhig, Luft in der ersten Hälfte außergewöhnl. [durchsichtig, nachher Du. u. St. vielfach nur unsicher zu beob.
O	B	S	» 20	16 2	17 56	4	1	
O	B	B	» 29	17 33	18 52	5	3	Ruhe 2-3, Schärfe 3, Sterne sehr schwach, ☾☾.
O	B	B	Juli 6	18 24	20 27	6	9	
O	B	B	» 7	18 17	20 32	8	10	
O	B	B	» 15	19 48	22 12	6	14	Ruhe 3-2, Schärfe 2-3.
O	B	B	Sept. 5	19 26	21 27	6	6	
O	B	B	» 17	21 50	23 31	5	4	Luft und Bilder abscheulich, schwächere St. nur mit Mühe zu sehen.
O	B	B	Okt. 10	19 22	20 8	4	3	Unsichere Beob.
			1905					
O	B	B	April 1	9 9	12 28	7.6	2	In der zweiten Hälfte zerfließende Bilder, Beob. überhaupt unsicher.
O	B	B	Mai 25	14 3	15 18	4	3	

Verbesserungen, welche an die Örter des nachfolgenden Katalogs anzubringen sind.

(In Einheiten von 0ˢ01 und 0″1.)

Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.
54	—	−1	1688	—	−1	3115	—	−1	5088	—	−1	6267	−1	—	6720	+1	−2
294	—	−1	1698	−1	−1	3150	−2	−3	5160	—	−1	6274	—	−1	6721	+1	−2
346	—	−1	1815	+1	—	3151	−2	−3	5278	—	−1	6285	+1	—	6724	—	−1
347	—	−1	1828	—	−1	3312	—	−1	5312	—	−1	6292	−1	—	6726	−1	−2
456	—	−1	1843	—	−1	3356	+1	—	5317	—	−1	6308	−1	—	6728	—	−3
468	—	−1	1915	—	−1	3493	—	−1	5319	—	−1	6320	−1	−1	6729	—	−1
489	−1	−1	1924	—	−1	3526	—	−1	5377	—	−1	6326	−1	—	6730	—	−2
584	+2	—	1930	—	−1	3629	+3	−1	5394	—	−1	6334	—	−1	6734	—	−2
657	—	−1	1931	—	−1	3661	—	−1	5424	—	−1	6347	−1	—	6738	+1	−1
725	+2	—	1942	—	−1	3665	−1	−1	5428	—	−1	6365	—	−1	6741	—	−1
829	−1	−1	1943	—	−1	3693	−1	−1	5429	—	−1	6368	−1	—	6747	−1	—
897	—	−1	1955	—	−1	3698	—	−1	5442	−1	−1	6369	—	−1	6751	−1	—
917	—	−1	1966	−2	—	3701	−1	−2	5449	−1	−1	6398	—	−1	6770	—	+1
939	—	−1	1970	+1	—	3724	−1	—	5537	—	−1	6404	−1	—	6772	—	−1
987	−1	—	1987	—	+1	3764	—	−2	5623	+1	−1	6420	—	−1	6808	−1	—
1069	—	−1	1992	—	−1	3800	−1	−1	5626	—	−1	6434	−1	−1	6822	−1	—
1152	—	−1	2009	+1	−2	3801	—	−1	5627	+1	−1	6443	—	−1	6826	—	−1
1190	—	−1	2014	—	−1	3834	—	−1	5628	−1	−1	6475	+1	−1	6841	—	−1
1194	+1	−1	2066	—	−3	3839	—	−1	5641	—	−1	6476	—	−1	6842	—	−1
1253	+1	−1	2157	+1	−1	3844	—	−1	5644	—	−1	6492	−1	—	6854	−1	—
1256	—	−1	2160	−1	−1	3867	−1	—	5661	—	−1	6498	−1	—	6863	−1	—
1261	—	−1	2161	—	−1	3883	—	−1	5680	—	−1	6515	—	+2	6897	—	−1
1300	—	−1	2202	—	−1	3905	—	−1	5709	—	−1	6519	−1	−1	6920	—	−2
1321	+1	−1	2206	—	−2	3931	—	−1	5755	—	−2	6521	—	−1	6935	—	−2
1353	+1	−1	2217	+1	−1	3971	—	−1	5761	—	−1	6524	−1	—	6936	−1	—
1368	—	−1	2220	—	−1	3985	−1	−1	5792	—	−1	6533	−1	—	6968	—	+1
1396	—	−1	2318	+1	—	4032	—	−1	5814	+1	—	6538	−1	—	6991	—	−1
1454	—	−1	2368	—	−2	4137	—	−1	5833	—	−1	6541	—	−1	7017	−1	—
1484	—	−1	2397	—	−1	4147	+2	+1	5869	−1	−1	6568	—	+1	7041	—	+1
1489	+1	−1	2424	—	−1	4177	—	−2	5886	—	−1	6584	−1	—	7061	—	+1
1510	−1	−1	2453	—	−1	4277	—	−1	5922	—	−1	6587	—	−1	7064	—	−1
1528	—	−1	2461	—	−1	4293	−1	−1	6000	—	−1	6593	—	−1	7070	—	+1
1593	—	−1	2522	—	−1	4298	—	−1	6009	−1	−1	6594	—	−1	7136	+1	—
1609	+1	−1	2668	—	−1	4336	—	−2	6037	—	−1	6610	−1	—	7140	−1	—
1638	—	−1	2723	—	−1	4375	—	−4	6038	—	−2	6658	—	−1	7162	—	−1
1643	—	−1	2747	+1	−1	4377	—	−1	6070	—	−1	6670	−1	—	7193	−1	−1
1647	—	−1	2769	—	−2	4450	—	−2	6154	—	−1	6700	−1	−1	7195	−1	—
1651	—	−1	2790	+1	−1	4453	−1	−1	6158	+1	—	6704	—	−1	7201	−1	—
1653	—	−1	2848	−1	−1	4547	+1	−1	6159	—	−2	6706	—	−1	7220	—	−1
1654	−1	−1	2935	—	−1	4548	+1	—	6196	—	−2	6708	−1	—	7255	—	+1
1658	—	−1	3000	+1	—	4660	+1	—	6209	−1	−1	6711	—	−1	7261	+1	−1
1661	—	−1	3006	+1	−1	4822	—	−1	6217	—	−1	6713	—	−2	7265	—	+1
1673	−1	−1	3012	—	−1	4932	—	−1	6227	−1	−1	6714	—	−1	7267	—	−2
1674	—	−1	3027	−1	−2	5037	−1	−1	6245	—	−1	6717	—	−1	7275	—	+1
1676	−1	−1	3035	−1	−2	5053	—	−1	6251	−1	—	6718	−1	−1	7281	—	−1
1681	−1	−1	3107	—	−1	5083	—	−1	6256	−1	—	6719	—	−2	7295	−1	—

Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.	Nr.	A.R.	Decl.
7299	—	+1	7432	+1	−1	7551	—	+1	7650	—	−1	7735	—	+1	7865	—	+1
7314	—	−1	7447	—	−1	7552	−1	—	7651	−1	—	7781	−1	—	7877	−1	—
7321	—	−1	7462	—	−1	7553	—	−1	7653	—	+1	7788	−1	+1	7899	—	+1
7349	−1	—	7478	−1	—	7571	−1	—	7662	−1	+1	7795	—	−1	7916	−1	—
7367	−1	—	7484	−1	—	7581	—	+1	7671	−1	—	7804	−1	—	7919	−1	—
7368	−1	—	7493	—	+1	7586	−1	—	7682	−1	—	7819	—	+1	7921	—	+1
7377	+2	—	7529	−1	—	7590	—	+1	7692	−1	—	7824	−1	—	7973	—	−1
7383	—	−1	7540	—	+1	7607	—	+2	7695	+1	−1	7833	—	−1	8013	—	−1
7416	—	−1	7546	−1	—	7647	+1	—	7719	−1	—	7852	−1	+2	8071	—	−1

KATALOG.

Die Größen sind der B.D. entnommen und in Klammern eingeschlossen, wenn sie, bei Doppelsternen, der Gesamthelligkeit entsprechen und eine Komponente beobachtet ist.

Für die Sterne ohne Zonennummern ist der Nachweis im Anhang gegeben.

Note: – before Nr. Number indicates spectra needed (Strassburg AG Catalogue) June 19, 1942

Zone —2° bis —6°. Straßburg.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1	8.7	0h 0m 3s.15	+3s.0727	+0s.0006	−2° 24′ 36″.6	+20″.052	−0″.009	90.0	5 Beob.	2° 6090
2	8.0	0 10.80	3.0727	+0.0007	2 21 5.2	20.052	0.009	89.8	6 Beob.	2 6091
3	8.7	0 17.83	3.0727	+0.0009	1 59 45.8	20.052	0.009	90.0	5 Beob.	2 6093
4	7.8	0 18.28	3.0726	−0.0004	4 24 26.9	20.052	0.009	89.7	5 Beob.	4 6019
5	8.3	0 23.05	3.0726	+0.0007	2 22 34.8	20.052	0.009	89.8 89.9	5 Beob.	2 6094
6	9.0	0 1 4.15	+3.0724	+0.0006	−2 42 43.5	+20.052	−0.011	90.0 90.1	5 Beob.	2 6097
7	8.5	1 5.93	3.0724	+0.0007	2 26 33.0	20.052	0.011	90.2	(17) (29) 274 278	2 6098
8	8.0	1 11.50	3.0725	+0.0010	1 47 37.6	20.052	0.011	90.7 91.1	(8)[1] 269 273	2 6099
9	9.3	1 23.05	3.0721	−0.0003	4 24 18.2	20.052	0.011	89.1 89.2	(34)[1] (42) 11 75	4 6022
10	9.3	1 33.20	3.0720	−0.0003	4 19 38.8	20.052	0.012	89.2 89.3	7 Beob.	4 6024
11	8.3	0 1 39.41	+3.0719	−0.0006	−4 54 14.5	+20.052	−0.012	91.7	276 278	5 6117
12	8.4	1 47.61	3.0720	−0.0002	4 10 34.8	20.051	0.012	91.8	2 Beob.	4 6025
13	8.8	2 4.63	3.0720	+0.0003	3 16 17.8	20.051	0.013	90.2	(12) (22) 277 278	3 5761
14	9.3	2 18.71	3.0723	+0.0010	1 56 21.8	20.051	0.013	90.3	4 Beob.	2 1
15	8.7	2 29.10	3.0714	−0.0006	5 6 4.9	20.051	0.013	89.4	11 75	5 2
16	6.8	0 2 36.70	+3.0719	+0.0004	−3 6 19.5	+20.051	−0.014		**Fund. Kat.**	3 2
17	8.9	2 38.29	3.0722	+0.0011	1 54 18.4	20.051	0.014	90.2	(5) (8) 274 292	2 3
18	8.6	2 44.74	3.0712	−0.0008	5 24 39.8	20.051	0.014	90.2	(17) (29) 276 278	5 3
19	6.5	3 4.81	3.0718	+0.0005	3 0 14.9	20.050	0.015	90.2	4 Beob.	3 3
20	8.8	3 8.80	3.0708	−0.0010	5 54 4.2	20.050	0.015	91.4	194 292	6 3
21	(9.0)[2]	0 3 33.12	+3.0708	−0.0007	−5 23 57.7	+20.050	−0.015	90.7	(29) 276 278	5 6
22	7.4	3 35.60	3.0717	+0.0007	2 46 45.2	20.050	0.016	90.2 90.7	(5)[1] (8)[1] 276 279	3 5
23	8.8	3 44.34	3 0721	+0.0012	1 41 48.3	20.049	0.016	90.0	5 Beob.	1 1
24	9.2	4 36.92	3.0707	0.0000	4 14 10.6	20.048	0.018	90.2	11 75 277	4 4
25	9.5	4 40.22	3.0714	+0 0007	2 43 45.2	20.048	0.018	91.7	276 278	2 8
26	7.4	0 4 47.85	+3.0712	+0.0005	−3 7 2.8	+20.048	−0.018	90.2	(17) (29) 269 273	3 9
27	6.8	5 11.64	3.0696	−0.0008	5 48 15.0	20.047	0.019	90.2 90.5	(12) (22)[3] 269 274	6 11
28	9.3	5 42.86	3.0718	+0.0014	1 37 40.6	20.046	0.020	89.5 89.8	(5)[1] (8)[1] 9 273	[1 4]
29	8.1	5 49.42	3.0712	+0.0009	2 37 49.3	20.046	0.020	91.7	277 278	2 10
30	6.8	6 2.41	3.0703	+0.0002	3 52 39.1	20.045	0.020	90.0 90.2	6 Beob.	4 7
31	9.1	0 6 10.23	+3.0708	+0.0007	−3 2 0.0	+20.045	−0.021	90.4	5 Beob.	[3 12]
32	8.0	6 23.59	3.0716	+0.0014	1 40 45.9	20.044	0.021	90.0 90.3	5 Beob.	1 7
33	(8.0)[4]	6 27.04	3.0703	+0.0004	3 38 3.7	20.044	0.021	90.0 90.5	(17)[1] (29)[1] 194 271	3 14
34	8.2	6 28.75	3.0690	−0.0007	5 37 28.8	20.044	0.021	90.3	(34) (42) 271 273	5 17
35	9.1	6 59.05	3.0695	−0.0001	4 33 23.8	20.043	0.022	89.8	6 Beob.	4 10
36	7.0	0 7 32.56	+3.0714	+0.0014	−1 47 0.8	+20.041	−0.023	90.3 90.6	6 Beob.	2 19
37	7.2	7 48.16	3.0696	+0.0003	3 56 15.7	20.040	0.024	90.4 90.8	5 Beob.	4 11
38	8.0	8 5.51	3.0679	−0.0007	5 47 51.9	20.040	0.024	90.8 90.9	6 Beob.	6 19
39	8.9	8 20.59	3 0683	−0.0003	5 12 11.7	20.039	0.025	90.0 89.8	6 Beob.	5 23
40	7.8	8 54.03	3.0687	+0.0001	4 27 52.3	20.037	0.026	90.0	(12) (22) 194 269	4 12
41	9.4	0 9 13.28	+3.0711	+0.0015	−1 44 25.6	+20.036	−0.027	90.2 90.6	6 Beob.	[1 13]
42	7.8	9 17.47	3.0701	+0.0010	2 45 12.6	20.036	0.027	90.0 90.3	(17) (29)[3] 194 269	3 18
43	8.0	9 46.24	3.0711	+0.0016	1 35 25.8	20.034	0.028	90.5 91.0	5 Beob.	1 15
44	6.7	9 49.26	3.0691	+0.0006	3 34 58.2	20.034	0.028	90.4	5 Beob.	3 20
45	8.8	10 20.41	3.0683	+0.0003	4 12 36.7	20.032	0.029	91.7	271 274 277 278	4 17
46	8.9	0 10 20.99	+3.0692	+0.0008	−3 19 49.0	+20.032	−0.029	90.0	5 Beob.	3 22
47	8.7	10 28.16	3.0668	−0.0004	5 33 41.2	20.031	0.029	90.0	6 Beob.	5 27
48	8.2	11 28.78	3.0703	+0.0015	2 4 40.2	20.027	0.031	89.5 89.8	(5)[1] (8)[1] 9 273	2 26
49	9.1	11 31.61	3.0662	−0.0003	5 32 1.2	20.027	0.031	90.2	5 Beob.	5 31
50	9.0	11 57.17	3.0707	+0.0017	1 37 25.6	20.025	0.032	89.3 89.5	(5)[1] (8)[1] (39) 194	1 20

[1] δ ½ [2] Dupl. austr.; Com. 16″ schwach 9m [3] δ ¼ [4] Dupl. austr. seq.; Com. 8″ 9m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
51	8.3	0h 11m 58s.29	+3s.0700	+0s.0014	−2° 12′ 32″.6	+20″.025	−0″.032	90.5	5 Beob.	2° 29
52	8.5	12 8.91	3.0665	0.0000	5 0 19.6	20.024	0.032	91.7	276 278	5 35
53	9.0	12 18.07	3.0707	+0.0017	1 38 8.8	20.023	0.033	90.7	(37) 271 276	1 21
54	9.0	12 25.53	3.0684	+0.0008	3 26 22.9	20.023	0.033	94.8	3 Beob.	3 30
55	9.0	12 36.42	3.0670	+0.0003	4 27 0.5	20.022	0.033	89.8	(12) 11 75 279	4 23
56	9.0	0 12 38.08	+3.0707	+0.0018	−1 36 10.7	+20.022	−0.033	90.4 90.7	(5)[1] (8)[2] 269 273	1 23
57	6.7	12 41.37	3.0696	+0.0014	2 25 6.5	20.021	0.033	90.2	(17) (29) 277 278	2 31
58	7.3	13 11.29	3.0693	+0.0013	2 34 13.1	20.019	0.034	89.6	(17) (29) 9 274	2 34
59	9.5	13 25.86	3.0685	+0.0011	3 5 28.7	20.018	0.035	90.2	(34) 271	[3 34]
60	9.0	14 6.32	3.0646	−0.0002	5 36 14.5	20.014	0.036	91.7	276 279	5 40
61	9.0	0 14 25.60	+3.0701	+0.0018	−1 49 1.0	+20.012	−0.037	91.7	276 279	2 36
62	7.8	14 44.09	3.0682	+0.0012	3 2 7.3	20.011	0.037	91.7	271 274	3 36
63	8.7	15 42.78	3.0652	+0.0004	4 40 13.5	20.005	0.039	91.7	271 274	4 29
64	8.7	15 45.72	3.0658	+0.0006	4 18 9.1	20.005	0.039	90.6	5 Beob.	4 30
65	9.0	15 56.66	3.0668	+0.0009	3 37 21.5	20.004	0.040	90.3 90.5	(34)[2] (42) 271 276	3 37
66	7.0	0 15 56.85	+3.0671	+0.0010	−3 27 53.5	+20 004	−0.040	90.6 90.8	5 Beob.	3 38
67	9.0	16 2.08	3.0680	+0.0013	2 54 42.3	20.003	0.040	91.7	274 278	3 40
68	8.0	16 6.26	3.0664	+0.0008	3 52 7.8	20.003	0.040	90.2	(17) (29) 269 276	4 31
69	8.6	16 20.97	3.0657	+0.0006	4 12 0.2	20.001	0.041	89.7	5 Beob.	4 32
70	9.0	16 31.96	3.0661	+0.0008	3 54 22.4	20.000	0.041	90.2 90.4	5 Beob.	4 34
71	7.0	0 17 8.16	+3.0627	−0.0001	−5 44 46.9	+19.996	−0.042	90.6 90.9	(34)[2] 194 196[a] 271	5 49
72	9.4	17 21.58	3.0672	+0.0012	3 8 41.9	19.995	0.042	90.5 90.3	(37) (39)[3] 269 273	[3 45]
73	9.4	17 26.33	3.0650	+0.0007	4 19 21.0	19.994	0.043	89.1	(17) (29) 11 75	4 36
74	9.0	17 32.84	3.0637	+0.0003	5 3 35.4	19.993	0.043	90.8	(42) 277 278	5 51
75	8.5	17 59.12	3.0651	+0.0008	4 9 28.0	19.990	0.044	90.7	(37) 269 277	4 38
76	9.2	0 18 7.35	+3.0633	+0.0003	−5 7 17.6	+19.989	−0.044	90.1 90.3	(34)[2] (42) 194 271	5 53
77	8.0	18 32.70	3.0659	+0.0011	3 36 30.0	19.986	0.045	90.2	(17) (29) 271 273	3 48
78	8.8	18 42.29	3.0638	+0.0005	4 40 52.2	19.985	0.045	89.4	11 75	4 39
79	7.6	18 53.10	3.0650	+0.0009	4 1 46.1	19.984	0.045	90.3	(37) (39) 269 274	4 40
80	8.6	19 8.28	3.0629	+0.0004	5 3 24.4	19.982	0.046	90.3 90.4	5 Beob.	5 56
81	8.2	0 19 11.42	+3.0692	+0.0020	−1 47 44.0	+19.982	−0.046	91.7	276 279	2 49
82	6.0	19 23.09	3.0673	+0.0015	2 46 20.1	19.980	0.046	90.2	(17) (29) 271 273	3 49
83	7.8	19 26.69	3.0624	+0.0003	5 12 7.1	19.980	0.046	90.0	5 Beob.	5 58
84	9.3	19 33.89	3.0647	+0.0009	4 0 21.4	19.979	0.047	91.7	273 278	[4 41]
85	9.1	19 33.95	3.0652	+0.0010	3 46 22.7	19.979	0.047	91.7	274 278	[4 42]
86	9.0	0 19 43.88	+3.0630	+0.0005	−4 49 20.7	+19.978	−0.047	89.4	11 75	5 59
87	8.5	19 53.12	3.0624	+0.0004	5 4 19.1	19.977	0.047	89.8 89.9	6 Beob.	5 60
88	9.0	20 7.31	3.0678	+0.0018	2 23 15.1	19.975	0.048	90.2	(17) (29) 271 276	2 53
89	8.9	20 10.76	3.0626	+0.0005	4 56 7.8	19.974	0.048	91.2	194 196[a] 279	5 61
90	8.7	20 19.88	3.0633	+0.0007	4 32 51.3	19.973	0.048	91.7	269 274	4 43
91	9.3	0 20 33.64	+3.0638	+0.0009	−4 15 38.9	+19.971	−0.049	91.7	273 277 278	[4 44]
92	9.4	20 44.17	3.0602	0.0000	5 54 3.2	19.970	0.049	89.9	(37) 11 75 277	[6 66]
93	9.0	21 50.72	3.0627	+0.0008	4 31 0.5	19.961	0.051	90.5	5 Beob.	4 45
94	8.8	21 53.68	3.0616	+0.0006	4 58 5.9	19.961	0.051	89.7	5 Beob.	5 63
95	7.0	21 59.33	3.0603	+0.0003	5 33 24.3	19.960	0.051	90.3	5 Beob.	5 64
96	9.3	0 22 19.87	+3.0621	+0.0008	−4 40 45.8	+19.957	−0.052	90.7	6 Beob.	4 47
97	8.5	22 48.38	3.0675	+0.0020	2 14 6.4	19.953	0.053	90.3	5 Beob.	2 57
98	9.0	23 22.08	3.0654	+0.0016	3 3 58.2	19.948	0.054	90.0	(17) (29) 194 269	3 54
99	8.8	23 34.57	3.0598	+0.0005	5 22 23.2	19.946	0.054	90.0 90.1	6 Beob.	5 69
100	7.4	24 22.77	3.0627	+0.0012	4 1 21.8	19.939	0.056	90.2	(17) (29) 269 273	4 51

[1] ½ [2] δ ½ [3] α ½

Nr.	Gr.	A. R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
101	7.1	0h 24m 31s.90	+3s.0643	+0s.0015	—3° 23' 32".5	+19".937	—0".056	91.7	271 274	3° 57
102	8.9	24 32.02	3.0613	0.0009	4 34 1.6	19.937	0.056	91.7	276 278	4 52
103	7.8	24 47.32	3.0685	0.0024	1 40 5.5	19.935	0.057	91.7	276 278	1 52
104	**6.0**	**24 56.08**	**3.0613**	**0.0010**	**4 30 35.4**	**19.933**	**0.057**		**Fund. Kat.**	**4 54**
105	9.0	25 42.60	3.0644	0.0017	3 11 16.8	19.926	0.059	91.7	274 278	3 59
106	8.7	0 26 8.82	+3.0636	+0.0016	—3 26 51.1	+19.922	—0.059	90.7	(31) 269 276	3 61
107	9.0	26 17.40	3.0659	0.0021	2 34 11.1	19.920	0.060	90.3	(34) (42) 269 276	2 67
108	8.0	26 26.16	3.0597	0.0009	4 49 48.5	19.919	0.060	90.2	(20) (24) 271 274	5 75
109	7.3	26 33.82	3.0664	0.0022	2 20 44.5	19.918	0.060	90.3	(37) (39) 271 273	2 69
110	8.8	26 52.95	3.0678	0.0025	1 47 3.2	19.914	0.061	90.6	(37) 194 196* 278	2 70
111	8.6	0 27 0.42	+3.0569	+0.0005	—5 43 48.5	+19.913	—0.061	89.7	5 Beob.	5 77
112	9.0	27 14.61	3.0588	0.0008	5 1 31.0	19.911	0.061	90.7	6 Beob.	5 78
113	7.5	28 5.42	3.0601	0.0012	4 23 59.6	19.902	0.063	90.3 90.4	5 Beob.	4 59
114	8.7	28 18.92	3.0595	0.0011	4 35 38.2	19.899	0.064	90.0	6 Beob.	4 60
115	8.3	28 31.79	3.0632	0.0018	3 17 12.9	19.897	0.064	91.0	(31) 269 273 277	3 64
116	8.5	0 29 9.22	+3.0640	+0.0020	—2 56 46.0	+19.890	—0.065	90.6	(31) 194 196* 271	3 67
117	7.0	29 23.38	3.0575	0.0009	5 5 53.3	19.887	0.066	90.0	6 Beob.	5 83
118	9.3	29 24.35	3.0575	0.0009	5 5 39.6	19.887	0.066	90.0	6 Beob.	5 84
119	9.3	29 35.69	3.0634	0.0020	3 6 47.6	19.885	0.066	90.7	(31) 269 274	[3 68]
120	8.5	29 49.12	3.0671	0.0026	1 51 39.4	19.883	0.067	90.5	6 Beob.	2 75
121	5.0	0 30 5.75	+3.0600	+0.0015	—4 8 36.0	+19.879	—0.067	90.2	(20) (24) 271 274	4 62
122	8.8	30 9.81	3.0625	0.0019	3 19 28.6	19.879	0.067	90.7	(31) 273 278	3 69
123	8.8	30 22.52	3.0677	0.0028	1 38 13.8	19.876	0.068	90.8	(39) 194 271 279	1 67
124	8.9	30 25.03	3.0646	0.0023	2 37 1.6	19.876	0.068	90.3 90.5	(34)[1] (42) 269 273	2 76
125	8.9	30 52.28	3.0551	0.0008	5 36 12.7	19.870	0.068	90.6	5 Beob.	5 87
126	8.2	0 31 50.73	+3.0599	+0.0017	—3 57 2.5	+19.859	—0.070	90.0 90.1	6 Beob.	4 64
127	9.0	32 43.91	3.0557	0.0011	5 6 15.0	19.848	0.072	90.2	5 Beob.	5 94
128	8.9	33 6.18	3.0651	0.0026	2 15 36.2	19.843	0.073	91.7	274 279	2 81
129	9.0	33 52.20	3.0668	0.0029	1 43 1.1	19.833	0.074	90.1	(37) (39) 194 271	1 77
130	8.7	34 2.21	3.0564	0.0014	4 43 32.2	19.831	0.075	90.2	(20) (24) 271 273	4 69
131	8.7	0 34 3.60	+3.0570	+0.0015	—4 32 32.8	+19.831	—0.075	90.2	(20) (24) 274 278	4 70
132	9.2	34 5.85	3.0655	0.0028	2 4 20.7	19.831	0.075	90.1 90.3	(34)[1] (42) 194 279	[2 83]
133	8.2	34 12.15	3.0640	0.0025	2 31 1.0	19.829	0.075	90.7 91.3	(31)[2] 273 279	2 84
134	8.0	34 31.52	3.0600	0.0020	3 37 53.2	19.825	0.076	90.3	(37) (39) 271 276	3 79
135	8.8	34 35.59	3.0535	0.0011	5 27 54.4	19.824	0.075	91.7	269 274	5 95
136	9.0	0 34 41.97	+3.0522	+0.0009	—5 49 7.7	+19.823	—0.076	91.7	274 279	6 110
137	8.8	34 58.94	3.0609	0.0022	3 19 8.3	19.819	0.076	91.7	277 278	3 80
138	9.0	35 5.34	3.0562	0.0015	4 38 2.2	19.818	0.077	89.2	(24) 11 75	4 74
139	8.3	35 26.11	3.0644	0.0027	2 19 5.2	19.813	0.077	90.7	(31) 269 276	2 87
140	9.0	35 32.82	3.0550	0.0014	4 53 40.0	19.811	0.077	90.2 90.4	5 Beob.	5 100
141	6.3	0 35 36.90	+3.0550	+0.0014	—4 54 2.0	+19.810	—0.078	90.2	5 Beob.	5 101
142	9.1	35 46.99	3.0553	0.0015	4 48 1.8	19.808	0.078	90.8	(37) 273 279	5 104
143	8.7	35 51.59	3.0541	0.0013	5 6 53.4	19.807	0.078	91.7	274 279	5 105
144	9.0	35 54.23	3.0558	0.0015	4 38 30.1	19.807	0.078	89.4 89.5	5 Beob.	4 79
145	8.6	36 3.98	3.0652	0.0029	2 3 59.6	19.804	0.079	90.7	(31) 269 277	2 91
146	8.3	0 36 24.70	+3.0550	+0.0015	—4 46 54.2	+19.800	—0.079	90.5	5 Beob.	5 107
147	8.6	36 25.92	3.0659	0.0030	1 50 53.5	19.799	0.079	90.7	(39) 271 274	2 93
148	9.0	36 48.22	3.0558	0.0017	4 30 56.2	19.794	0.080	90.3 90.4	5 Beob.	4 83
149	9.2	37 1.11	3.0661	0.0031	1 45 11.1	19.791	0.080	91.0	6 Beob.	[2 94]
150	8.3	37 2.72	3.0592	0.0021	3 36 2.2	19.791	0.080	89.8	(31) 11 75 276	3 86

[1] [2]

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
151	9.0	0h 37m 31.51s	+3.0622s	+0.0026s	−2° 45′ 42.4″	+19.784″	−0.081″	90.5	5 Beob.	3° 87
152	7.5	37 55.69	3.0558	0.0018	4 24 16.1	19.778	0.082	90.7	(24) 269 273	4 85
153	8.9	38 44.12	3.0585	0.0022	3 37 37.1	19.766	0.084	92.0 92.2	7 Beob.	3 91
154	8.8	39 2.34	3.0617	0.0026	2 47 35.2	19.762	0.084	90.6 90.9	(31)¹ 194 196ª 271	3 92
155	8.5	39 14.08	3.0530	0.0016	4 56 46.6	19.759	0.084	90.5	5 Beob.	5 116
156	9.1	0 39 53.54	+3.0619	+0.0027	−2 40 45.6	+19.749	−0.086	90.5	5 Beob.	2 100
157	9.5	39 57.55	3.0659	0.0033	1 41 42.0	19.748	0.086	91.7	271 276	[1 92]
158	8.8	40 15.16	3.0500	0.0013	5 33 24.0	19.744	0.086	90.0	6 Beob.	5 119
159	6.5	40 18.62	3.0515	0.0015	5 10 39.0	19.743	0.086	90.3 90.5	(34)¹ (42) 271 273	5 120
160	8.3	40 37.74	3.0656	0.0033	1 43 56.0	19.738	0.087	90.3	5 Beob.	1 94
161	8.9	0 40 38.08	+3.0553	+0.0020	−4 14 12.8	+19.738	−0.087	90.3	(37) (39) 271 276	4 92
162	9.0	40 46.97	3.0603	0.0026	2 59 40.5	19.735	0.088	90.3 90.5	(34)¹ (42) 269 274	3 97
163	8.9	41 24.27	3.0641	0.0032	2 3 17.3	19.726	0.089	91.7	274 278	2 104
164	9.0	41 31.51	3.0615	0.0028	2 40 3.4	19.724	0.089	91.7	273 279	2 105
165	7.9	41 35.11	3.0518	0.0017	4 57 56.0	19.723	0.089	89.7	6 Beob.	5 124
166	9.0	0 41 37.36	+3.0598	+0.0027	−3 4 20.1	+19.722	−0.089	90.6 90.8	5 Beob.	3 98
167	8.5	41 54.03	3.0651	0.0033	1 47 51.6	19.718	0.090	90.7	(31) 271 274	2 106
168	8.8	42 4.82	3.0655	0.0034	1 42 8.0	19.715	0.090	90.7	(31) 274 278	1 99
169	7.0	42 30.61	3.0604	0.0028	2 52 6.1	19.708	0.091	90.7	(31) 269 274	3 99
170	9.2	42 33.47	3.0509	0.0017	5 2 37.8	19.707	0.091	89.1	(20) (24) 11 75	5 128
171	9.1	0 42 47.78	+3.0634	+0.0032	−2 8 58.8	+19.703	−0.091	90.3 90.5	(34)¹ (42) 276 279	2 109
172	8.0	42 58.24	3.0542	0.0021	4 15 27.9	19.701	0.092	90.3	(37) (39) 277 278	4 95
173	9.2	43 3.70	3.0559	0.0023	3 51 9.8	19.699	0.092	90.8	(39) 277 279	[4 96]
174	8.8	43 29.63	3.0625	0.0031	2 18 35.0	19.692	0.093	90.3 90.5	(34)¹ (42) 269 274	2 110
175	9.0	43 31.44	3.0532	0.0021	4 24 59.3	19.692	0.093	89.1	(20) (24) 11 75	4 97
176	8.5	0 44 11.25	+3.0630	+0.0032	−2 10 19.0	+19.681	−0.094	90.3 90.5	(34)¹ (42) 277 279	2 111
177	9.1	44 20.34	3.0550	0.0024	3 56 58.8	19.678	0.094	91.7	277 278	4 100
178	9.0	44 31.52	3.0566	0.0026	3 34 28.9	19.675	0.094	91.7	276 279	3 105
179	9.1	44 54.10	3.0520	0.0021	4 33 38.6	19.668	0.095	91.7	274 278	4 102
180	8.5	45 18.27	3.0466	0.0016	5 40 19.2	19.662	0.096	91.7	271 273	5 134
181	8.0	0 45 27.03	+3.0457	+0.0015	−5 51 32.2	+19.659	−0.096	91.7	271 273	6 148
182	8.4	45 41.05	3.0613	0.0032	2 27 52.8	19.655	0.097	90.7	(31) 274 278	2 112
183	9.1	45 45.17	3.0593	0.0030	2 53 32.9	19.654	0.097	90.8	(31) 276 279	[3 109]
184	7.2	46 4.22	3.0466	0.0016	5 34 48.1	19.648	0.097	91.7	274 279	5 138
185	8.5	46 7.51	3.0459	0.0016	5 43 36.7	19.647	0.097	90.7	(24) 277 280	5 139
186	7.3	0 46 26.94	+3.0554	+0.0026	−3 41 14.4	+19.642	−0.098	91.7	271 273	3 113
187	8.5	46 43.70	3.0508	0.0021	4 37 45.2	19.637	0.099	91.7	276 278	4 105
188	9.1	46 56.04	3.0602	0.0032	2 38 46.3	19.633	0.099	90.8 91.1	(31)¹ 273 279	2 117
189	9.0	47 16.17	3.0582	0.0030	3 1 56.9	19.627	0.100	91.7	274 278	3 114
190	9.3	47 17.81	3.0648	0.0037	1 39 7.0	19.627	0.100	91.7	271 273 277	[1 111]
191	8.4	0 47 44.87	+3.0609	+0.0033	−2 26 37.1	+19.618	−0.101	90.8	(31) 276 279	2 118
192	8.8	47 47.77	3.0573	0.0029	3 11 18.6	19.618	0.101	90.2	(20) (24) 274 278	3 119
193	5.2	47 53.80	3.0646	0.0037	1 41 14.1	19.616	0.101	91.7	271 273	1 114
194	6.5	48 35.74	3.0478	0.0020	5 4 7.1	19.603	0.102	90.2	(20) (24) 271 273	5 147
195	9.0	49 42.95	3.0622	0.0036	2 5 58.9	19.582	0.105	90.7	(31) 271 273	2 123
196	9.3	0 49 51.43	+3.0550	+0.0029	−3 31 11.3	+19.579	−0.105	91.7	274 277 278	[3 124]
197	9.2	50 2.03	3.0505	0.0024	4 23 10.9	19.576	0.105	90.7	(24) 276 279	4 111
198	8.6	50 6.97	3.0624	0.0036	2 2 42.8	19.575	0.105	90.7	(31) 271 273	2 124
199	8.7	50 36.75	3.0495	0.0024	4 32 5.8	19.565	0.106	91.7	274 279	4 112
200	7.3	50 56.75	3.0507	0.0026	4 16 46.1	19.559	0.107	90.5	5 Beob.	4 114

¹ 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
201	9.0	0h 51m 20s.93	+3s.0420	+0s.0017	−5° 53′ 44″.7	+19″.551	−0″.107	91.7	274 276 279	6° 167
202	7.0	51 41.31	3.0556	0.0031	3 16 12.3	19.544	0.108	90.2 90.6	(20) (24)[1] 274 279	3 132
203	8.9	52 15.88	3.0603	0.0036	2 21 5.0	19.533	0.109	90.7 91.1	(31)[2]. 271 273	2 129
204	8.9	52 39.95	3.0592	0.0035	2 32 46.5	19.525	0.110	91.7	276 279	2 130
205	6.5	52 43.79	3.0604	0.0036	2 18 23.2	19.524	0.110	90.7	(31) 271 273	2 131
206	8.5	0 52 48.37	+3.0472	+0.0024	−4 47 4.3	+19.522	−0.110	90.2	(20) (24) 274 278	5 160
207	8.5	53 6.58	3.0560	0.0033	3 6 53.4	19.516	0.111	91.7	274 279	3 135
208	8.2	53 21.02	3.0609	0.0037	2 12 1.3	19.511	0.111	90.8 91.1	(31)[2] 276 280	2 132
209	7.8	53 57.22	3.0564	0.0034	2 59 35.5	19.499	0.112	91.7	271 273	3 136
210	8.9	54 2.49	3.0583	0.0035	2 38 14.3	19.497	0.113	90.7	(31) 274 278	2 134
211	8.9	0 54 5.16	+3.0566	+0.0034	−2 56 41.7	+19.496	−0.113	91.7	271 273	3 137
212	8.8	54 27.96	3.0632	0.0040	1 44 1.2	19.489	0.114	91.7	276 279	1 125
213	8.8	54 28.85	3.0416	0.0021	5 38 26.0	19.488	0.113	90.2	(20) (24) 271 277	5 163
214	8.8	54 29.11	3.0625	0.0039	1 51 58.5	19.488	0.114	91.7	276 280	2 135
215	8.3	54 36.39	3.0451	0.0024	4 59 49.3	19.486	0.113	91.7	273 279	5 165
216	7.8	0 54 37.46	+3.0459	+0.0025	−4 51 39.7	+19.485	−0.113	91.7	276 280	5 166
217	8.3	54 49.37	3.0410	0.0020	5 43 22.2	19.481	0.113	90.2	(20) (24) 271 277	5 168
218	7.4	54 57.16	3.0585	0.0036	2 33 25.4	19.478	0.114	90.8	(31) 277 280	2 136
219	9.0	54 59.13	3.0613	0.0039	2 3 52.2	19.478	0.114	91.8	2 Beob.	2 137
220	9.0	55 6.07	3.0637	0.0041	1 37 8.8	19.475	0.115	91.8	277 292	1 128
221	7.4	0 55 34.07	+3.0604	+0.0038	−2 11 49.6	+19.466	−0.116	90.7	(31) 274 278	2 140
222	8.8	55 52.11	3.0608	0.0039	2 7 8.9	19.459	0.116	90.7	(31) 274 278	2 143
223	7.5	55 57.31	3.0434	0.0024	5 11 7.9	19.457	0.116	90.2	(20) (24) 276 279	5 171
224	8.9	56 1.68	3.0600	0.0038	2 14 41.6	19.456	0.116	90.7	(31) 274 278	2 144
225	9.0	56 12.90	3.0446	0.0025	4 57 7.7	19.452	0.116	90.2	(20) (24) 271 273	5 172
226	8.5	0 56 18.53	+3.0394	+0.0021	−5 51 31.2	+19.450	−0.116	91.7	277 280	6 188
227	9.0	56 24.44	3.0444	0.0025	4 58 22.3	19.448	0.117	90.2	(20) (24) 271 273	5 173
228	9.0	56 38.10	3.0491	0.0029	4 8 21.9	19.443	0.117	91.7	276 279	4 129
229	8.8	57 19.52	3.0577	0.0037	2 35 44.1	19.428	0.119	90.7	(31) 273 278	2 148
230	5.3	57 59.09	3.0413	0.0024	5 22 16.3	19.414	0.119	91.7	274 278	5 177
231	8.7	0 58 19.31	+3.0608	+0.0041	−2 1 56.7	+19.406	−0.121	91.7	276 280	2 154
232	9.0	58 28.96	3.0505	0.0032	3 46 3.1	19.403	0.121	91.7	276 280	4 134
233	9.0	58 43.92	3.0444	0.0027	4 47 5.5	19.397	0.121	91.0	196 197	5 179
234	9.0	58 49.65	3.0584	0.0039	2 25 26.4	19.395	0.122	91.7	277 280	2 155
235	9.0	58 58.13	3.0452	0.0028	4 37 44.7	19.392	0.121	91.7	277 278	4 136
236	8.3	0 59 20.50	+3.0377	+0.0022	−5 50 26.6	+19.384	−0.122	90.2	(20) (24) 277 280	6 200
237	8.8	59 22.24	3.0554	0.0037	2 53 57.7	19.383	0.122	90.8	3 Beob.	3 146
238	9.0	59 30.41	3.0501	0.0033	3 45 52.5	19.380	0.123	91.8	276 292	4 139
239	7.8	59 33.52	3.0375	0.0022	5 51 27.9	19.379	0.122	90.3	5 Beob.	6 201
240	8.5	1 0 18.61	3.0489	0.0032	3 55 6.0	19.362	0.124	91.7	271 276	4 140
241	9.2	1 0 55.37	+3.0391	+0.0025	−5 28 15.0	+19.348	−0.125	90.7	(20) 271 274	5 185
242	8.2	0 55.71	3.0430	0.0028	4 50 28.1	19.348	0.125	91.7	276 278	5 186
243	9.0	0 57.93	3.0603	0.0042	2 1 1.7	19.347	0.126	90.8	(31) 277 278	2 159
244	8.0	1 41.25	3.0405	0.0027	5 11 4.6	19.330	0.126	91.7	274 278	5 189
245	7.8	1 54.47	3.0387	0.0026	5 26 25.2	19.325	0.127	90.2	(20) (24) 271 274	5 190
246	9.0	1 1 57.14	+3.0361	+0.0024	−5 51 28.2	+19.324	−0.127	91.0	196 197	6 207
247	(6.8)[3]	2 4.37	3.0586	0.0041	2 16 0.8	19.321	0.128	90.3	(31) 196 197	2 160
248	9.0	2 18.43	3.0600	0.0042	2 2 2.2	19.316	0.128	90.8	(31) 276 279	2 161
249	9.1	2 27.60	3.0623	0.0044	1 39 19.3	19.312	0.129	91.7	271 274	[1 149]
250	8.8	2 28.13	3.0429	0.0029	4 44 28.1	19.312	0.128	91.7	276 279	4 143

[1] $\delta\frac{1}{4}$ [2] $\delta\frac{1}{2}$ [3] Dupl. 4″ seq. maj.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
251	9.3	$1^h\ 2^m\ 28^s.27$	$+3^s.0622$	$+0^s.0044$	$-1°\ 40'\ 55''.3$	$+19''.312$	$-0''.129$	91.7	271 274	[1° 150]
252	8.0	2 36.01	3.0521	0.0037	3 16 41.5	19.309	0.128	91.7	277 279	3 153
253	8.0	2 40.13	3.0394	0.0027	5 16 42.4	19.307	0.128	89.9	(20) (24) 196 197	5 192
254	8.8	3 9.25	3.0502	0.0036	3 32 32.9	19.296	0.129	91.7	276 280	3 154
255	8.0	3 26.27	3.0562	0.0040	2 35 36.9	19.289	0.130	90.7 91.1	(31)[1] 274 279	2 167
256	8.0	1 3 49.20	+3.0389	+0.0028	−5 15 16.5	+19.280	−0.130	89.9	(20) (24) 196 197	5 195
257	(8.5)[2]	4 4.54	3.0507	0.0037	3 25 9.7	19.273	0.131	91.4	197 276	3 158
258	8.3	4 13.31	3.0370	0.0027	5 30 43.1	19.270	0.131	91.7	271 274	5 198
259	9.0	4 31.94	3.0577	0.0042	2 18 29.7	19.262	0.132	90.8	(31) 277 279	2 170
260	8.5	4 36.20	3.0365	0.0027	5 33 49.1	19.261	0.131	90.2	(20) (24) 271 274	5 199
261	8.5	1 5 0.00	+3.0588	+0.0043	−2 7 42.1	+19.251	−0.133	90.7	(31) 276 278	2 174
262	(9.0)[3]	5 24.50	3.0365	0.0027	5 29 42.5	19.241	0.133	90.2	(20) (24) 271 274	5 200
263	9.0	5 34.11	3.0405	0.0030	4 52 30.0	19.237	0.133	91.4	197 277	5 201
264	7.3	5 39.36	3.0372	0.0028	5 22 29.2	19.235	0.134	90.9	86 279	5 202
265	8.0	6 6.54	3.0607	0.0046	1 48 20.7	19.224	0.135	91.7	276 278	2 175
266	8.5	1 6 9.30	+3.0560	+0.0042	−2 31 6.5	+19.222	−0.135	90.3	(31) 196 197	2 176
267	9.0	6 14.26	3.0396	0.0030	4 58 5.5	19.220	0.135	90.2	(20) (24) 271 274	5 205
268	8.5	6 31.34	3.0334	0.0026	5 52 19.0	19.213	0.135	90.2	(20) (24) 277 279	6 226
269	6.2	6 38.27	3.0541	0.0041	2 46 55.7	19.210	0.136	90.8	(31) 277 278	3 161
270	8.8	6 42.56	3.0462	0.0035	3 57 37.6	19.209	0.136	91.7	276 279	4 151
271	8.5	1 7 4.76	+3.0388	+0.0030	−5 1 27.1	+19.199	−0.136	91.7	271 274	5 207
272	8.9	7 52.60	3.0461	0.0036	3 53 51.1	19.179	0.137	90.9	86 278	4 153
273	9.0	7 53.02	3.0417	0.0033	4 32 27.2	19.179	0.138	90.2	(20) (24) 271 274	4 154
274	8.9	8 14.44	3.0564	0.0044	2 23 24.6	19.170	0.139	90.8 91.1	(31)[1] 276 279	2 181
275	7.5	8 17.32	3.0516	0.0040	3 4 50.6	19.168	0.139	91.7	274 278	3 164
276	8.5	1 8 26.94	+3.0463	+0.0037	−3 50 41.7	+19.164	−0.139	91.7	271 286	4 157
277	9.0	8 31.98	3.0442	0.0035	4 8 11.8	19.162	0.139	91.0	196 197	4 158
278	7.3	8 47.96	3.0355	0.0030	5 22 34.9	19.155	0.139	90.2	(20) (24) 277 278	5 210
279	8.3	8 58.88	3.0544	0.0043	2 38 39.5	19.151	0.140	90.8	(31) 276 279	2 184
280	8.8	9 8.77	3.0539	0.0043	2 42 33.9	19.146	0.141	90.3	(31) 196 197	2 185
281	8.9	1 9 13.61	+3.0460	+0.0037	−3 50 21.5	+19.144	−0.140	91.7	271 274	4 163
282	7.5	9 26.96	3.0338	0.0029	5 34 22.3	19.138	0.140	90.2	(20) (24) 276 278	5 215
283	8.9	9 56.37	3.0425	0.0035	4 18 35.2	19.126	0.142	90.6	(31) 86 271 277	4 166
284	9.0	10 35.02	3.0364	0.0032	5 7 29.0	19.109	0.142	90.8	(24) 197 276 286	5 218
285	8.4	11 4.95	3.0336	0.0030	5 28 43.3	19.095	0.143	91.0	196 197	5 221
286	8.2	1 11 26.43	+3.0340	+0.0031	−5 23 23.6	+19.086	−0.144	91.0	196 197	5 223
287	**6.0**	**11 31.61**	**3.0510**	**0.0042**	**3 1 35.9**	**19.083**	**0.145**		**Fund. Kat.**	**3 172**
288	9.4	11 31.98	3.0572	0.0046	2 9 29.9	19.083	0.145	91.7	277 279	[2 191]
289	8.5	11 34.01	3.0497	0.0041	3 12 52.2	19.082	0.145	91.7	277 278	3 173
290	8.5	11 35.45	3.0599	0.0048	1 47 21.6	19.082	0.145	91.7	277 278	2 192
291	7.0	1 11 51.67	+3.0525	+0.0043	−2 48 9.5	+19.074	−0.145	91.0	196 197	3 174
292	8.7	12 20.49	3.0383	0.0034	4 44 25.8	19.061	0.146	90.9	86 278	4 174
293	9.0	12 35.12	3.0338	0.0032	5 20 10.7	19.055	0.146	90.7	5 Beob.	5 225
294	(8.5)[4]	12 56.09	3.0371	0.0034	4 51 47.2	19.045	0.147	95.5	3 Beob.	5 226
295	8.9	14 7.08	3.0464	0.0041	3 32 37.7	19.013	0.149	90.6	(31) 86 277 278	3 177
296	8.9	1 14 23.34	+3.0327	+0.0033	−5 21 40.7	19.005	−0.149	90.5	5 Beob.	5 237
297	8.3	14 28.40	3.0321	0.0032	5 26 8.2	19.003	0.149	90.0 90.2	(20)[1] (24) 192 274	5 238
298	8.0	14 33.69	3.0289	0.0030	5 51 7.9	19.000	0.150	91.5	196 279 282	6 251
299	8.7	14 53.04	3.0513	0.0045	2 51 19.2	18.991	0.151	91.0	196 197	3 179
300	8.1	15 2.84	3.0501	0.0044	3 0 57.7	18.987	0.151	91.2	192 196^b 286	3 181

[1] δ ½ [2] Dupl. maj. (Z. 276) [3] Dupl. seq.; Com. $9^m.5$ [4] Dupl. seq.; Com. 20″ schwach 9^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
301	6.5	1h 15m 29s.97	+3s.0442	+0s.0041	−3° 46′ 19″.4	+18″.974	−0″.152	90.7	6 Beob.	4° 185
302	7.3	15 46.65	3.0588	0.0050	1 50 8.1	18.966	0.153	90.6	(31) 86 277 278	2 198
303	9.3	16 4.39	3.0408	0.0039	4 11 11.6	18.958	0.153	91.6	197 276 280 286	[4 186]
304	8.8	16 7.67	3.0603	0.0051	1 38 16.8	18.956	0.154	90.8	(31) 192 276 282	1 177
305	8.5	16 37.42	3.0423	0.0040	3 57 40.3	18.942	0.154	90.0	(20) (24) 192 276	4 189
306	8.2	1 16 42.78	+3.0534	+0.0047	−2 31 14.2	+18.939	−0.154	90.3	(31) 196 197	2 200
307	8.2	17 3.79	3.0334	0.0035	5 5 16.3	18.929	0.154	91.7	277 278	5 247
308	9.0	17 5.44	3.0541	0.0048	2 25 18.1	18.928	0.155	91.0	(31) 274 279 282	2 203
309	9.0	17 7.48	3.0476	0.0044	3 15 22.0	18.927	0.155	91.7	274 279	3 185
310	9.0	17 27.82	3.0438	0.0042	3 44 4.1	18.917	0.155	91.8	280 286	3 186
311	7.8	1 17 29.39	+3.0392	+0.0039	−4 19 24.9	+18.917	−0.155	91.8	280 286	4 193
312	9.2	17 32.78	3.0303	0 0034	5 27 35.4	18.915	0.155	90.1	(20) (24) 197 286	5 249
313	9.0	17 41.38	3.0403	0.0040	4 10 31.4	18.911	0.156	91.8	279 288	4 194
314	8.8	17 46.46	3.0452	0.0043	3 32 17.0	18.908	0.156	91.7	277 278	3 187
315	8.8	17 57.51	3.0481	0.0045	3 9 46.0	18.903	0.156	90.7	(31) 274 278	3 188
316	9.1	1 18 12.27	+3.0300	+0.0034	−5 27 35.9	+18.896	−0.156	90.6	5 Beob.	5 250
317	9.0	18 44.90	3.0452	0.0043	3 29 26.1	18.880	0.158	91.7	277 280	3 189
318	8.8	18 57.28	3.0360	0.0038	4 39 1.5	18.874	0.158	91.8	286 291	4 199
319	8.0	19 15.38	3.0490	0.0046	2 59 38.2	18.865	0.159	91.8	282 288	3 191
320	5.8	19 43.79	3.0459	0.0045	3 22 9.0	18.851	0.159	91.8	280 288	3 195
321	8.5	1 19 59.26	+3.0353	+0.0039	−4 40 44.7	+18.843	−0.160	91.8	280 286	4 203
322	8.5	20 17.45	3.0281	0.0035	5 32 54.7	18.834	0.160	91.8	280 286	5 254
323	9.0	20 36.33	3.0383	0.0041	4 16 13.9	18.825	0.161	91.2	192 196b 288	4 205
324	6.8	20 48.06	3.0368	0.0040	4 26 50.4	18.819	0.161	90.9	86 279	4 207
325	7.7	21 1.03	3.0507	0.0048	2 43 14.5	18.812	0.162	91.0	196 197	2 213
326	7.8	1 21 16.80	+3.0305	+0.0037	−5 11 27.6	+18.804	−0.162	91.7	277 279	5 258
327	9.0	21 28.22	3.0482	0.0047	3 0 57.0	18.798	0.163	91.7	277 279	3 198
328	8.7	21 32.83	3.0547	0.0051	2 12 50.7	18.796	0.163	91.0	196 197	2 215
329	9.1	21 58.51	3.0500	0.0048	2 46 34.7	18.783	0.164	91.4	192 196b 282 286	3 201
330	9.0	22 21.96	3.0586	0.0053	1 42 54.4	18.771	0.165	90.9	86 280	1 190
331	8.8	1 22 45.76	+3.0315	+0.0038	−4 59 13.0	+18.759	−0.164	91.0	196 197	5 261
332	8.1	22 51.18	3.0389	0.0043	4 5 29.0	18.756	0.165	91.4	192 196b 282 286	4 213
333	8.6	22 51.37	3.0520	0.0050	2 30 21.1	18.756	0.165	91.7	277 279 288	2 220
334	7.4	22 55.69	3.0516	0.0050	2 33 11.7	18.754	0.166	91.7	277 279 282	2 221
335	8.3	24 15.11	3.0415	0.0045	3 42 50.6	18.712	0.167	90.9	86 280	3 204
336	9.0	1 24 19.37	+3.0336	+0.0041	−4 39 10.0	+18.710	−0.167	91.7	277 279 282 288	4 216
337	9.0	24 24.04	3.0280	0.0038	5 18 18.5	18.708	0.167	91.0	196 197	5 266
338	9.0	24 26.41	3.0462	0.0048	3 9 25.2	18.706	0.168	91.2	192 196b 286	3 207
339	8.8	24 38.15	3.0337	0.0041	4 37 16.5	18.700	0.168	91.7	277 279	4 218
340	8.8	24 43.42	3.0392	0.0044	3 57 56.2	18.697	0.168	91.2	192 196b 288	4 220
341	9.0	1 24 44.93	+3.0402	+0.0045	−3 51 8.9	+18.697	−0.168	91.0	196 197	4 221
342	8.9	25 32.52	3.0530	0.0052	2 18 45.2	18.671	0.170	91.5	192 282 286	2 228
343	8.8	25 50.00	3.0434	0.0047	3 25 59.1	18.662	0.170	91.7	277 279 288	3 211
344	7.2	25 56.79	3.0258	0.0038	5 28 33.9	18.659	0.170	90.9	86 280	5 271
345	9.0	26 9.84	3.0372	0.0044	4 8 33.8	18.651	0.171	91.8	280 286	4 224
346	9.0	1 26 11.16	+3.0483	+0.0050	−2 50 55.0	+18.651	−0.171	04.0	2 Beob.	3 212
347	8.3	26 44.24	3.0254	0.0038	5 28 29.1	18.633	0.171	97.9	2 Beob.	5 273
348	8.7	27 0.68	3.0447	0.0048	3 14 18.1	18.624	0.173	91.0	196 197	3 213
349	9.0	27 0.95	3.0424	0.0047	3 29 47.0	18.624	0.172	91.6	5 Beob.	3 214
350	9.0	27 1.97	3.0412	0.0047	3 38 38.8	18.624	0.172	91.8	280 286	3 216

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
351	9.0	$1^h\ 27^m\ 20^s.34$	+3^s.0418	+0^s.0047	−3° 33′ 49″.8	+18″.614	−0″.173	97.9	2 Beob.	3° 217
352	9.0	27 36.96	3.0539	0.0054	2 10 0.4	18.605	0.174	91.2	192 196^b 286	2 236
353	9.0	27 58.63	3.0415	0.0047	3 34 3.8	18.593	0.174	91.5 91.3	86[1] 277 279 282	3 218
354	8.8	28 3.02	3.0526	0.0053	2 18 17.4	18.590	0.175	91.7	277 280	2 238
355	8.3	28 31.22	3.0518	0.0053	2 22 43.7	18.575	0.176	91.0	196 197	2 242
356	8.9	1 28 32.93	+3.0538	+0.0054	−2 9 6.9	+18.574	−0.176	91.2	192 196^b 288	2 243
357	9.5	28 47.61	3.0525	0.0054	2 17 24.5	18.566	0.176	91.7	277 279 282	[2 244]
358	8.4	28 51.28	3.0491	0.0052	2 40 27.1	18.564	0.176	91.2	192 196^b 288	2 245
359	9.0	29 25.87	3.0387	0.0047	3 49 34.4	18.545	0.176	91.4	197 286	4 234
360	9.0	29 37.43	3.0273	0.0041	5 5 49.0	18.538	0.176	91.8	280 286	5 281
361	9.0	1 29 38.31	+3.0467	+0.0051	−2 55 37.2	+18.538	−0.177	91.0	196 197	3 220
362	7.5	29 41.71	3.0501	0.0053	2 32 40.3	18.536	0.178	91.3	3 Beob.	2 250
363	9.1	29 42.55	3.0213	0.0038	5 45 33.8	18.535	0.176	91.7	277 282	5 282
364	8.9	29 45.42	3.0494	0.0052	2 37 8.7	18.534	0.178	91.8	280 286	2 251
365	6.3	29 47.35	3.0367	0.0046	4 2 6.9	18.533	0.177	91.8	282 288	4 237
366	7.5	1 30 1.20	+3.0473	+0.0052	−2 50 50.2	+18.525	−0.178	91.8	288 291	3 224
367	8.0	30 37.87	3.0223	0.0039	5 35 23.7	18.504	0.178	91.0	196 197	5 285
368	8.6	30 45.72	3.0555	0.0056	1 55 1.7	18.500	0.180	90.9	86 280	2 253
369	9.3	31 18.26	3.0382	0.0048	3 48 29.5	18.482	0.180	91.8	280 286	[4 243]
370	8.6	31 39.75	3.0289	0.0043	4 48 44.3	18.470	0.180	91.2	192 196^b 288	5 287
371	8.6	1 31 57.55	+3.0381	+0.0048	−3 47 40.0	+18.459	−0.181	90.9	86 280	4 247
372	8.9	32 7.03	3.0432	0.0051	3 13 39.1	18.454	0.182	91.0	196 197	3 228
373	8.0	32 10.22	3.0301	0.0044	4 39 11.0	18.452	0.181	91.2	192 196^b 289	4 248
374	8.7	32 18.27	3.0481	0.0053	2 41 39.8	18.448	0.182	91.8	282 286	2 255
375	9.1	32 24.93	3.0428	0.0051	3 16 10.7	18.444	0.182	91.0	196 197	[3 229]
376	8.5	1 32 45.27	+3.0561	+0.0057	−1 48 48.3	+18.432	−0.183	91.2	192 196^b 288	2 259
377	6.7	32 48.02	3.0364	0.0048	3 57 0.0	18.431	0.182	91.8	280 286	4 249
378	8.8	33 7.39	3.0518	0.0055	2 16 1.5	18.419	0.184	90.9	86 282	2 260
379	9.0	33 35.25	3.0218	0.0041	5 28 50.5	18.403	0.183	91.4	197 286	5 294
380	8.8	34 2.36	3.0468	0.0054	2 46 56.7	18.388	0.185	91.2	192 196^b 288	3 231
381	8.3	1 34 33.32	+3.0444	+0.0053	−3 1 31.3	+18.370	−0.186	90.9	86 280	3 233
382	9.0	34 52.61	3.0447	0.0053	2 59 10.4	18.358	0.187	91.8	280 288	3 234
383	8.8	34 55.80	3.0403	0.0051	3 26 57.9	18.356	0.186	91.3	192 288	3 235
384	8.4	35 20.39	3.0257	0.0044	4 58 9.4	18.342	0.186	91.0	196 197	5 296
385	8.3	35 21.28	3.0528	0.0057	2 6 30.3	18.341	0.188	91.8	282 286	2 270
386	7.0	1 35 41.73	+3.0431	+0.0053	−3 7 37.8	+18.329	−0.188	91.8	280 286	3 239
387	8.7	35 41.79	3.0245	0.0044	5 5 7.4	18.329	0.187	91.8	282 288	5 297
388	9.1	35 46.64	3.0546	0.0058	1 54 35.1	18.326	0.189	91.8	282 289	[2 271]
389	8.4	35 57.51	3.0165	0.0040	5 54 31.4	18.320	0.187	91.3	3 Beob.	6 316
390	8.3	36 32.35	3.0381	0.0051	3 37 42.4	18.299	0.189	91.8	282 286	3 240
391	8.0	1 36 33.41	+3.0396	+0.0051	−3 27 55.6	+18.299	−0.189	91.8	286 291	3 241
392	9.4	36 50.74	3.0552	0.0059	1 49 35.9	18.288	0.191	91.8	289 291	[2 276]
393	8.5	37 1.07	3.0203	0.0043	5 27 1.4	18.282	0.189	90.6 90.9	4 Beob.	5 300
394	9.1	37 14.35	3.0262	0.0046	4 50 9.9	18.274	0.190	91.8	280 289	5 301
395	8.3	37 16.96	3.0349	0.0050	3 55 47.1	18.273	0.190	91.8	282 286	4 259
396	7.7	1 37 19.54	+3.0471	+0.0055	−2 39 51.4	+18.271	−0.191	91.8	289 291	2 278
397	5.3	37 40.11	3.0322	0.0049	4 11 37.2	18.259	0.191	90.9	86 282	4 260
398	8.7	37 45.60	3.0258	0.0046	4 50 56.7	18.255	0.190	91.4	200 280	5 304
399	8.8	38 17.98	3.0180	0.0043	5 37 11.7	18.236	0.191	90.5	(33) 192 286	5 305
400	9.0	38 27.52	3.0260	0.0046	4 47 51.6	18.230	0.191	91.4	200 280	5 306

[1] *a* ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
401	6.5	1h 38m 52.65s	+3.0212s	+0.0044s	−5° 16′ 4.2″	+18.215″	−0.192″	91.2	192 196b 288	5° 309
402	8.7	39 28.16	3.0337	0.0050	3 58 30.3	18.193	0.194	90.5	(33) 200 280	4 264
403	7.3	40 17.37	3.0364	0.0052	3 40 16.3	18.163	0.195	91.0	196 197	3 250
404	9.0	40 26.23	3.0456	0.0056	2 44 2.7	18.157	0.196	90.9	86 282	2 288
405	7.8	40 44.82	3.0486	0.0058	2 25 39.4	18.146	0.197	91.4	200 280	2 291
406	7.8	1 40 55.06	+3.0256	+0.0048	−4 43 43.8	+18.139	−0.196	90.3	(33) 196 197	4 269
407	8.2	41 27.08	3.0443	0.0056	2 50 27.5	18.119	0.198	91.0	196 197	3 254
408	7.8	41 59.37	3.0364	0.0053	3 36 53.1	18.099	0.198	90.5	(33) 200 280	3 258
409	8.2	42 28.45	3.0383	0.0054	3 24 36.2	18.081	0.199	90.9	86 282	3 260
410	8.4	42 35.06	3.0349	0.0053	3 44 26.9	18.077	0.199	91.4	200 280	3 262
411	8.8	1 42 49.11	+3.0338	+0.0052	−3 50 8.9	+18.068	−0.200	91.2	192 196b 286	4 271
412	9.0	43 22.94	3.0130	0.0044	5 51 8.4	18.046	0.199	91.2 90.8	(33)[1] 197[2] 282 286	6 340
413	8.3	43 33.40	3.0520	0.0061	2 1 46.3	18.040	0.202	91.2	192 196b 288	2 298
414	8.9	43 40.69	3.0531	0.0061	1 55 27.0	18.035	0.202	91.4	200 280	2 299
415	9.0	43 41.31	3.0530	0.0061	1 55 54.5	18.035	0.202	91.4	200 280	2 300
416	9.0	1 44 35.55	+3.0291	+0.0051	−4 14 14.4	+18.000	−0.202	90.9	86 280	4 278
417	9.0	44 47.05	3.0550	0.0063	1 43 6.4	17.992	0.204	91.5	192 282 286	1 249
418	8.5	44 52.58	3.0174	0.0047	5 21 20.5	17.989	0.202	90.3	(33) 196 197	5 323
419	9.0	44 56.83	3.0294	0.0052	4 11 46.7	17.986	0.203	91.4	200 280	4 280
420	9.0	44 57.32	3.0139	0.0045	5 41 9.7	17.986	0.202	90.5	(33) 197 286	5 324
421	9.0	1 44 59.33	+3.0249	+0.0050	−4 37 17.4	+17.985	−0.203	91.4	197 288	4 281
422	8.0	45 26.41	3.0292	0.0052	4 11 27.5	17.967	0.204	91.4	200 280	4 282
423	8.2	45 32.69	3.0462	0.0059	2 33 29.4	17.963	0.205	91.2	192 196b 289	2 306
424	8.6	45 35.37	3.0160	0.0046	5 27 3.6	17.961	0.203	90.8	(33) 282 288	5 327
425	7.3	46 25.25	3.0234	0.0050	4 42 48.0	17.929	0.205	90.9	86 280	4 285
426	7.0	1 46 31.64	+3.0399	+0.0057	−3 7 55.4	+17.925	−0.206	91.2	192 196b 289	3 268
427	9.0	46 49.90	3.0290	0.0052	4 9 59.0	17.913	0.206	91.4	200 282	4 287
428	9.0	47 13.97	3.0324	0.0054	3 49 48.1	17.897	0.207	91.8	282 288	4 289
429	8.6	47 29.19	3.0461	0.0060	2 31 18.8	17.887	0.208	91.0	196 197	2 309
430	8.7	47 41.75	3.0529	0.0063	1 52 27.0	17.879	0.209	91.2	192 196b 289	2 310
431	8.7	1 47 42.93	+3.0345	+0.0055	−3 36 42.6	+17.878	−0.208	91.8	280 288	3 273
432	8.7	47 43.74	3.0168	0.0048	5 16 50.5	17.877	0.207	90.8	(33) 280 288	5 333
433	7.3	48 1.90	3.0535	0.0063	1 48 35.0	17.865	0.210	91.3	3 Beob.	2 311
434	8.5	48 4.80	3.0514	0.0062	2 0 46.0	17.863	0.210	91.8	282 289	2 312
435	8.9	48 8.13	3.0445	0.0060	2 39 48.5	17.861	0.209	91.8	282 288	2 313
436	8.8	1 48 40.68	+3.0531	+0.0063	−1 50 26.2	+17.840	−0.211	91.3	3 Beob.	2 314
437	8.6	48 49.76	3.0111	0.0046	5 45 33.6	17.833	0.208	91.8	280 289	5 336
438	8.0	49 22.65	3.0546	0.0064	1 41 31.3	17.812	0.212	91.8	282 289	1 260
439	8.7	49 45.79	3.0514	0.0063	1 58 52.4	17.796	0.213	91.0	196 197	2 316
440	9.0	49 53.21	3.0467	0.0061	2 24 59.4	17.791	0.213	90.8 90.5	(40)[3] 192 286	2 317
441	9.0	1 50 6.08	+3.0346	+0.0056	−3 31 55.9	+17.782	−0.212	90.5	(33) 200 282	3 281
442	9.0	50 8.48	3.0385	0.0058	3 10 4.7	17.781	0.213	91.8	286 291	3 282
443	8.7	50 39.73	3.0225	0.0052	4 37 47.5	17.760	0.212	90.9	86 280	4 302
444	9.0	50 53.21	3.0317	0.0056	3 46 34.5	17.750	0.213	90.5 91.1	(40)[4] 192 286	3 283
445	9.2	51 8.28	3.0127	0.0048	5 29 58.6	17.740	0.212	90.9	5 Beob.	5 346
446	7.8	1 51 16.49	+3.0218	+0.0052	−4 40 4.3	+17.735	−0.213	91.4	200 280	4 303
447	9.2	51 18.34	3.0133	0.0049	5 26 24.6	17.733	0.213	90.7	7 Beob.	[5 348]
448	8.5	52 6.71	3.0485	0.0063	2 12 16.1	17.700	0.217	90.8	(40) 192 286 288	2 325
449	8.8	52 33.11	3.0439	0.0061	2 37 8.6	17.682	0.217	91.4 91.2	86[3] 280 291	2 328
450	8.8	52 37.50	3.0096	0.0048	5 42 55.8	17.679	0.215	89.9	(33) 4 196 197	5 353

[1] $\alpha\,\frac{1}{3}$ [2] $\delta\,\frac{1}{2}$ [3] $\alpha\,\frac{1}{2}$ [4] $\delta\,\frac{1}{4}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
451	9.0	1h 52m 51s.52	+3s.0442	+0s.0062	−2° 35′ 13″.9	+17″.670	−0″.217	90.4	(40) 86 200 280	2° 329
452	8.3	52 52.85	3.0263	0.0055	4 11 54.4	17.669	0.216	91.2	192 196b 288	4 307
453	6.7	52 54.34	3.0446	0.0062	2 32 51.0	17.668	0.218	91.8	282 286	2 330
454	8.2	53 4.78	3.0197	0.0052	4 47 23.7	17.660	0.216	91.4	200 282	5 357
455	8.8	53 14.60	3.0399	0.0060	2 58 4.4	17.654	0.218	91.0	196 197	3 288
456	8.4	1 53 20.60	+3.0440	+0.0062	−2 35 43.8	+17.649	−0.218	97.9	2 Beob.	2 331
457	9.3	53 47.44	3.0138	0.0050	5 17 22.7	17.631	0.217	90.9 90.6	5 Beob.	[5 359]
458	8.8	53 51.63	3.0405	0.0061	2 53 29.9	17.628	0.219	91.2	192 196b 288	3 290
459	8.8	54 2.66	3.0505	0.0065	1 59 36.7	17.620	0.220	91.4	200 280	2 333
460	8.5	54 3.74	3.0148	0.0051	5 11 5.6	17.619	0.217	91.0	196 197	5 361
461	9.0	1 54 18.21	+3.0212	+0.0053	−4 36 37.0	+17.609	−0.218	91.8	282 286	4 308
462	8.8	54 33.58	3.0279	0.0056	4 0 3.8	17.599	0.219	91.2	86 282 289	4 309
463	9.0	54 54.14	3.0538	0.0066	1 41 17.1	17.584	0.222	91.4	200 280	1 270
464	9.0	54 54.94	3.0063	0.0048	5 54 20.5	17.584	0.218	90.3	4 196 197	6 378
465	8.9	55 5.61	3.0143	0.0051	5 11 5.3	17.576	0.219	90.8	(33) 288 291	5 365
466	8.5	1 55 6.02	+3.0541	+0.0066	−1 39 35.7	+17.576	−0.222	91.4	200 280	1 271
467	7.7	55 6.10	3.0190	0.0053	4 46 9.8	17.576	0.220	91.2	192 196b 289	4 311
468	9.0	55 11.76	3.0489	0.0064	2 7 5.1	17.572	0.222	99.9	3 Beob.	2 338
469	7.0	55 11.90	3.0293	0.0057	3 51 10.8	17.572	0.220	91.8	288 291[1]	4 312
470	8.8	55 27.53	3.0341	0.0059	3 25 26.1	17.561	0.221	91.8	282 289	3 296
471	8.5	1 55 31.70	+3.0228	+0.0055	−4 25 27.6	+17.558	−0.220	91.2	192 196b 289	4 314
472	9.0	55 42.25	3.0335	0.0059	3 28 20.3	17.550	0.222	91.0	196 197	3 297
473	9.0	55 55.94	3.0485	0.0064	2 8 44.2	17.541	0.223	91.8	280 286	2 340
474	7.7	55 59.71	3.0390	0.0061	2 58 50.0	17.538	0.222	91.4	200 282	3 300
475	8.7	56 2.12	3.0188	0.0053	4 45 21.4	17.536	0.221	91.8	288 291	4 316
476	9.1	1 56 3.42	+3.0129	+0.0051	−5 16 3.5	+17.536	−0.221	89.8	(33) 4 289	5 371
477	8.5	56 21.34	3.0126	0.0051	5 17 10.2	17.523	0.221	89.2	(33) 4 86	5 372
478	9.0	56 44.50	3.0074	0.0050	5 43 11.3	17.506	0.221	91.0	196 197	5 374
479	8.5	57 0.15	3.0377	0.0061	3 3 56.6	17.495	0.224	90.7	4 Beob.	3 301
480	9.0	57 29.15	3.0158	0.0053	4 57 31.6	17.474	0.223	89.8	(33) 4 288	5 378
481	8.3	1 57 35.06	+3.0486	+0.0065	−2 6 19.0	+17.470	−0.226	91.4	200 280	2 345
482	7.0	57 47.56	3.0399	0.0062	2 51 31.1	17.461	0.225	90.6 90.7	4 Beob.	3 304
483	9.0	57 49.17	3.0470	0.0065	2 14 12.1	17.460	0.226	91.8	282 286	2 346
484	9.0	57 49.30	3.0457	0.0064	2 21 19.5	17.460	0.226	91.8	282 286	2 347
485	9.0	58 7.40	3.0213	0.0055	4 27 37.5	17.447	0.225	91.4	200 282	4 323
486	9.0	1 58 10.52	+3.0142	+0.0053	−5 4 29.1	+17.445	−0.224	89.9	(33) 4 196 197	5 380
487	7.5	58 23.88	3.0171	0.0054	4 48 39.6	17.435	0.225	91.3	3 Beob.	5 381
488	6.0	58 38.18	3.0197	0.0055	4 34 57.6	17.425	0.225	91.8	286 291	4 324
489	9.0	58 46.52	3.0211	0.0056	4 27 38.8	17.419	0.226	97.5	2 Beob.	4 325
490	8.1	58 47.38	3.0141	0.0053	5 3 23.3	17.418	0.225	89.9	(33) 4 196 197	5 382
491	7.8	1 58 50.51	+3.0358	+0.0061	−3 11 33.4	+17.416	−0.227	91.8	282 289	3 308
492	8.7	58 53.86	3.0434	0.0064	2 32 6.0	17.414	0.227	91.8	286 291	2 351
493	8.3	59 59.10	3.0433	0.0064	2 31 2.3	17.366	0.229	91.2	192 196b 286	2 357
494	9.0	59 59.46	3.0440	0.0065	2 27 39.3	17.366	0.229	91.4 90.8	(40)[2] 282 289	2 356
495	8.3	2 0 7.40	3.0156	0.0054	4 53 1.6	17.360	0.228	89.9	(33) 4 196 197	5 386
496	9.0	2 0 8.63	+3.0261	+0.0058	−3 59 3.8	+17.359	−0.228	95.6	3 Beob.	4 330
497	9.0	0 46.09	3.0219	0.0057	4 19 12.4	17.332	0.229	91.8	282 288	4 332
498	8.9	1 12.20	3.0220	0.0057	4 17 59.1	17.313	0.230	90.9	86 200 282	4 333
499	7.3	1 13.17	3.0156	0.0055	4 50 32.2	17.312	0.229	90.3	4 196 197	5 388
500	8.4	1 23.66	3.0407	0.0064	2 42 42.8	17.304	0.232	89.5	5 Beob.	2 360

[1] *a* ½ [2] *a* ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
501	8.8	2h 1m 43s.18	+3s.0442	+0s.0065	—2° 24′ 36″.6	+17″.290	—0″.232	91.4	200 282	2° 361
502	7.9	1 51.36	3.0455	0.0066	2 18 1.0	17.284	0.233	91.4	192 196b 286 291	2 362
503	7.5	2 0.23	3.0170	0.0056	4 41 37.7	17.277	0.231	90.3	5 Beob.	4 338
504	9.1	2 10.78	3.0417	0.0064	2 36 39.8	17.269	0.233	93.9	3 Beob.	[2 364]
505	9.4	2 47.71	3.0398	0.0064	2 45 50.9	17.242	0.234	95.2	3 Beob.	[2 365]
506	9.1	2 2 55.84	+3.0397	+0.0064	—2 46 14.8	+17.236	—0.234	89.9 90.0	5 Beob.	2 366
507	8.8	2 58.97	3.0074	0.0053	5 27 41.7	17.234	0.232	90.5	(33) 192 286	5 393
508	9.1	3 1.17	3.0023	0.0051	5 52 51.6	17.232	0.231	89.5	4 86	6 411
509	9.0	3 23.66	3.0340	0.0062	3 13 55.3	17.215	0.234	91.4	200 291	3 319
510	8.5	3 45.67	3.0285	0.0060	3 40 48.2	17.199	0.234	91.8	288 291	3 320
511	9.0	2 4 4.83	+3.0257	+0.0060	—3 54 22.2	+17.184	—0.235	91.4	200 291	4 343
512	**7.4**	**4 5.55**	**3.0390**	**0.0064**	**2 48 17.0**	**17.184**	**0.236**		**Fund. Kat.**	**3 324**
513	8.2	5 31.60	3.0254	0.0060	3 53 5.1	17.119	0.237	89.9	72 79 86	4 350
514	8.8	5 46.53	3.0326	0.0063	3 17 25.8	17.107	0.238	91.4	200 282	3 327
515	8.9	5 53.99	3.0436	0.0067	2 23 14.7	17.102	0.239	90.2	(27) 83 291	2 373
516	8.8	2 6 4.87	+3.0106	+0.0055	—5 4 34.0	+17.094	—0.237	90.1	(33) 4 197 286	5 402
517	8.9	6 16.41	3.0477	0.0068	2 2 36.5	17.085	0.240	91.4	200 282	2 374
518	6.3	6 31.13	3.0446	0.0067	2 17 43.2	17.073	0.240	90.2	6 Beob.	2 375
519	8.6	6 33.66	3.0422	0.0067	2 29 30.5	17.071	0.240	90.3	5 Beob.	2 377
520	9.5	6 35.37	3.0474	0.0068	2 3 55.8	17.070	0.240	91.8	282 286 289	[2 376]
521	9.0	2 6 46.45	+3.0043	+0.0054	—5 33 58.0	+17.062	—0.238	90.3	(33) 196 197	5 403
522	8.7	6 51.46	3.0133	0.0057	4 50 2.4	17.058	0.238	91.3	192 288	5 404
523	9.0	6 51.72	3.0275	0.0061	3 41 6.0	17.058	0.239	91.0	196 197	3 332
524	9.0	7 18.05	3.0004	0.0053	5 51 19.6	17.037	0.238	90.3	(33) 4 286 291	6 423
525	7.9	7 37.26	3.0394	0.0066	2 41 48.9	17.023	0.242	90.9	86 282	2 379
526	8.9	2 7 39.93	+3.0374	+0.0065	—2 51 50.2	+17.021	—0.242	89.5	(40) 72 79	3 335
527	5.9	7 40.76	3.0374	0.0065	2 51 39.6	17.020	0.241	89.3	(27) (40) 72 79	3 336
528	9.0	8 17.38	3.0181	0.0059	4 23 56.1	16.992	0.241	95.5 94.9	3 Beob.	4 358
529	9.0	8 29.74	3.0341	0.0064	3 6 22.1	16.982	0.243	91.2	192 196b 288	3 339
530	9.2	8 32.43	3.0484	0.0069	1 57 23.0	16.980	0.244	91.5	200 282 289	[2 381]
531	9.0	2 8 38.69	+3.0199	+0.0059	—4 14 41.0	+16.975	—0.242	91.4	200 291	4 360
532	7.7	8 38.84	3.0292	0.0063	3 29 58.0	16.975	0.242	95.4	3 Beob.	3 340
533	9.0	8 58.98	3.0039	0.0054	5 30 40.9	16.959	0.241	91.8	286 291	5 409
534	8.8	8 59.24	3.0061	0.0055	5 20 0.7	16.959	0.241	90.9 90.5	(33)[1] 197 286	5 410
535	8.5	9 11.25	3.0216	0.0060	4 5 46.0	16.950	0.243	91.2	192 196b 289	4 361
536	7.7	2 9 21.85	+3.0009	+0.0054	—5 44 10.3	+16.942	—0.241	89.2	(33) 4 83	5 411
537	9.0	9 25.36	3.0169	0.0059	4 27 39.2	16.939	0.243	90.9	86 282	4 362
538	8.3	9 27.56	3.0519	0.0071	1 39 58.0	16.937	0.245	89.7	5 Beob.	1 306
539	8.5	10 21.83	3.0425	0.0068	2 23 59.7	16.895	0.246	89.3	5 Beob.	2 386
540	9.0	10 35.01	3.0239	0.0062	3 52 12.6	16.884	0.245	91.4	200 282	4 364
541	8.9	2 10 37.42	+2.9979	+0.0053	—5 55 16.0	+16.882	—0.243	90.5	(33) 197 286	6 436
542	8.9	10 49.49	3.0352	0.0066	2 58 35.1	16.873	0.246	91.3	192 288	3 343
543	8.1	10 53.76	3.0026	0.0055	5 32 43.0	16.869	0.244	91.8	282 286	5 417
544	8.4	10 54.46	3.0151	0.0059	4 33 32.6	16.869	0.245	91.8	288 291	4 366
545	8.5	11 2.11	3.0506	0.0071	1 45 12.4	16.863	0.248	91.3	192 289	1 309
546	8.3	2 11 4.24	+3.0179	+0.0060	—4 19 58.7	+16.861	—0.245	91.0	196 197	4 367
547	8.9	11 15.41	3.0440	0.0069	2 16 26.8	16.852	0.248	89.6	(27) 79 83	2 388
548	9.0	11 38.40	2.9999	0.0054	5 43 43.5	16.834	0.245	90.3 90.5	(33)[2] 4 286 291	5 421
549	9.0	11 40.56	3.0053	0.0056	5 18 8.7	16.833	0.245	90.9	86 282	5 422
550	8.5	11 46.51	3.0299	0.0064	3 22 7.0	16.828	0.248	91.3	192 288	3 345

[1] *a* ½ [2] *δ* ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
551	7.8	2h 12m 42s.90	+3s.0407	+0s.0068	−2° 30′ 12″.2	+16″.783	−0″.250	89.3	5 Beob.	2° 389
552	8.5	12 49.81	3.0110	0.0058	4 49 9.0	16.777	0.248	90.8	4 286 291	5 425
553	9.0	12 50.56	3.0312	0.0065	3 14 49.1	16.777	0.249	91.0	196 197	3 347
554	9.0	13 2.22	3.0176	0.0061	4 17 57.3	16.768	0.249	91.3	192 286	4 372
555	8.3	13 13.64	3.0142	0.0060	4 33 37.0	16.758	0.249	91.0	196 197	4 374
556	8.7	2 13 24.30	+3.0111	+0.0059	−4 47 43.3	+16.750	−0.249	91.3	192 288	5 429
557	8.2	13 29.96	3.0041	0.0057	5 19 51.2	16.745	0.248	90.5	(33) 200 282	5 430
558	9.0	13 31.08	3.0035	0.0056	5 22 43.0	16.744	0.248	90.9 90.5	(33)[1] 200 282	5 431
559	8.9	13 37.31	3.0220	0.0062	3 56 43.8	16.739	0.250	91.0	196 197	4 375
560	8.5	13 52.39	3.0444	0.0070	2 12 7.4	16.727	0.252	91.8	282 289	2 393
561	8.6	2 14 17.10	+3.0134	+0.0060	−4 35 16.4	+16.707	−0.250	91.8	288 291	4 378
562	**var.**[2]	**14 17.61**	**3.0284**	**0.0065**	**3 25 53.9**	**16.707**	**0.251**		**Fund. Kat.**	**3 353**
563	9.0	14 25.35	3.0284	0.0065	3 25 34.7	16.701	0.252	91.8	286 291	3 355
564	8.8	14 38.37	3.0019	0.0056	5 27 31.7	16.690	0.250	91.0	196 197	5 437
565	7.0	14 39.23	3.0104	0.0059	4 48 20.0	16.690	0.250	91.3	192 286	5 438
566	8.4	2 14 42.91	+3.0379	+0.0068	−2 41 7.6	+16.686	−0.253	91.8	282 289	2 396
567	9.1	14 43.11	3.0015	0.0056	5 29 14.6	16.686	0.250	95.6	3 Beob.	5 439
568	8.5	15 3.20	3.0209	0.0062	3 59 35.1	16.670	0.252	91.3	192 286	4 379
569	8.8	15 10.18	3.0501	0.0072	1 44 20.1	16.664	0.254	91.1 90.6	(27)[3] 200 291	1 318
570	9.0	15 53.61	3.0132	0.0060	4 33 29.5	16.629	0.253	91.2	86 282 288	4 382
571	9.2	2 16 18.42	+3.0059	+0.0058	−5 5 43.8	+16.609	−0.253	90.8	5 Beob.	[5 442]
572	8.9	16 34.01	3.0279	0.0065	3 25 6.2	16.596	0.255	89.4	6 Beob.	3 363
573	9.0	16 48.75	3.0242	0.0064	3 41 48.2	16.584	0.255	90.5 91.1	(27)[4] 200 282	3 364
574	9.0	16 58.48	3.0074	0.0059	4 58 1.3	16.576	0.254	90.7	5 Beob.	5 447
575	8.6	18 37.05	3.0218	0.0064	3 49 50.5	16.495	0.258	89.7	6 Beob.	4 390
576	9.5	2 18 51.55	+3.0469	+0.0072	−1 56 24.0	+16.483	−0.260	90.2	14 79 289	[2 400]
577	8.8	19 10.65	3.0235	0.0065	3 41 34.7	16.467	0.259	90.1	(27) (40) 200 282	3 371
578	8.3	19 12.68	3.0412	0.0070	2 21 59.8	16.465	0.260	91.4	200 282	2 401
579	8.9	19 14.95	3.0362	0.0069	2 44 14.2	16.463	0.260	90.5	(33) 192 286	2 403
580	8.2	19 20.10	3.0253	0.0066	3 33 15.6	16.459	0.259	90.3	(27) 196 197	3 372
581	(8.3)[5]	2 19 25.11	+3.0433	+0.0071	−2 12 15.3	+16.455	−0.261	91.3	192 286	2 404
582	8.2	19 32.18	3.0398	0.0070	2 27 42.8	16.449	0.261	91.4	200 282	2 405
583	(8.6)[6]	19 48.62	3.0384	0.0070	2 33 52.9	16.435	0.261	89.6	14 72 79	2 406
584	7.0	19 54.54	3.0145	0.0062	4 20 37.7	16.430	0.259	96.5	2 Beob.	4 394
585	6.7	19 55.14	3.0294	0.0067	3 13 57.0	16.430	0.260	91.0	196 197	3 374
586	8.5	2 20 6.29	+3.0029	+0.0059	−5 11 57.8	+16.420	−0.258	90.8	(33) 282 288	5 453
587	8.5	20 6.77	3.0146	0.0063	4 19 40.9	16.420	0.259	90.3	4 289	4 396
588	8.6	20 10.62	3.0235	0.0065	3 40 9.9	16.417	0.260	89.9	(27) (40) 83 291	3 375
589	8.9	20 30.93	3.0335	0.0068	2 55 19.0	16.400	0.262	90.9	86 291	3 378
590	9.2	21 10.99	3.0304	0.0068	3 8 1.4	16.366	0.262	90.4	72 79 83 289	[3 381]
591	9.0	2 21 22.57	+3.0142	+0.0063	−4 19 39.9	+16.356	−0.261	90.8	4 288 291	4 400
592	8.8	21 22.80	3.0359	0.0069	2 43 23.6	16.356	0.263	91.3	192 288	2 408
593	9.3	21 41.08	3.0008	0.0059	5 18 10.9	16.341	0.261	90.8	(33) 200 282 289	[5 458]
594	8.8	22 13.11	3.0223	0.0065	3 42 45.2	16.314	0.263	89.6	14 72 79	3 383
595	8.1	22 25.10	3.0296	0.0068	3 10 14.6	16.303	0.264	89.9	5 Beob.	3 384
596	8.3	2 22 28.05	+3.0402	+0.0071	−2 23 38.2	+16.301	−0.265	91.3	192 288	2 412
597	8.7	22 32.91	3.0392	0.0070	2 27 48.9	16.297	0.265	91.3	192 289	2 413
598	9.0	22 44.47	2.9979	0.0058	5 28 44.0	16.287	0.262	89.8	(33) 4 289	5 463
599	8.5	23 22.14	2.9942	0.0058	5 43 46.6	16.255	0.263	90.8	(33) 282 288	5 467
600	8.5	23 31.66	3.0195	0.0065	3 53 2.7	16.247	0.265	89.6	14 72 79	4 404

[1] $\alpha \frac{1}{2}$ [2] Grösse zwischen 1.7 u. 9 [3] $\alpha \frac{1}{4}$ [4] $\delta \frac{1}{4}$ [5] Dupl. praec.; Com. 12^{s} 9^{m}
[6] Dupl. 8^{s} praec.; Komponenten nahe gleich hell

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
601	9.2	2h 23m 46s.48	+3s.0446	+0s.0072	−2° 3′ 12″.6	+16″.234	−0″.268	91.5	192 289 291	[2° 416]
602	8.1	24 4.11	2.9916	0.0058	5 53 35.2	16.219	0.264	89.9	(33) 4 86 282	6 486
603	8.3	24 38.95	3.0353	0.0070	2 42 47.2	16.189	0.268	89.4	6 Beob.	2 419
604	8.1	25 0.42	3.0335	0.0070	2 50 14.1	16.171	0.269	90.1 90.3	(27)[1] (40) 200 281	3 389
605	8.9	25 11.81	3.0396	0.0071	2 23 45.9	16.161	0.269	91.3	192 288	2 422
606	7.5	2 25 26.61	+2.9967	+0.0059	−5 28 32.1	+16.148	−0.266	90.1 90.3	(33)[1] 4 192 288	5 471
607	7.8	25 27.55	3.0434	0.0073	2 6 57.3	16.147	0.270	91.4	200 281	2 423
608	8.9	25 38.85	3.0372	0.0071	2 33 49.0	16.137	0.270	89.7	6 Beob.	2 426
609	8.5	25 45.41	3.0221	0.0067	3 38 40.6	16.132	0.269	91.2	86 281 291	3 390
610	8.3	26 35.13	3.0110	0.0064	4 25 21.3	16.088	0.269	90.3	(33) 4 282 288	4 412
611	9.4	2 27 0.10	+3.0131	+0.0064	−4 15 58.4	+16.067	−0.270	96.4	2 Beob.	[4 414]
612	8.5	27 3.10	3.0499	0.0075	1 38 11.8	16.064	0.273	89.4	6 Beob.	1 352
613	8.3	27 33.60	3.0382	0.0072	2 27 39.8	16.037	0.273	90.8	(27) 200 281 291	2 432
614	8.3	27 36.87	3.0419	0.0073	2 11 51.6	16.035	0.273	90.9	86 281	2 433
615	8.8	28 5.48	3.0328	0.0070	2 50 12.5	16.009	0.273	89.4	(40) 14 72 79	3 396
616	9.1	2 28 16.38	+3.0124	+0.0065	−4 16 51.2	+16.000	−0.272	90.3	(33) 4 289 291	4 419
617	8.9	28 51.65	3.0354	0.0071	2 38 46.6	15.969	0.275	90.2 90.6	(40)[2] 83 282	2 439
618	9.0	28 54.85	3.0212	0.0067	3 38 37.2	15.966	0.274	91.4	200 291	3 400
619	8.8	29 2.74	3.0491	0.0075	1 40 23.5	15.959	0.276	90.1	14 72 79 288	1 359
620	8.7	29 37.51	3.0269	0.0069	3 13 57.0	15.928	0.275	90.2	(33) 86 281	3 404
621	9.1	2 30 15.31	+3.0441	+0.0074	−2 0 48.2	+15.895	−0.277	90.5	(27) 200 282	[2 442]
622	7.0	30 19.19	3.0159	0.0066	3 59 5.4	15.891	0.275	90.3	4 288	4 426
623	8.1	30 19.74	3.0314	0.0070	2 53 52.5	15.891	0.277	89.6	14 72 79	3 406
624	8.5	30 31.53	3.0171	0.0067	3 53 41.2	15.880	0.275	90.2	(33) 83 282	4 428
625	8.3	30 45.17	3.0404	0.0073	2 15 59.0	15.868	0.278	90.1	(27) (40) 200 281	2 444
626	8.3	2 30 48.96	+3.0235	+0.0068	−3 26 42.6	+15.865	−0.276	91.8	288 291	3 407
627	9.0	30 49.33	3.0388	0.0072	2 22 41.2	15.865	0.278	91.8	281 289	2 445
628	9.0	31 4.79	3.0067	0.0064	4 36 23.8	15.851	0.275	91.8	281 289	4 430
629	8.2	31 5.03	3.0053	0.0064	4 42 38.0	15.850	0.275	91.8	281 288	4 431
630	9.0	31 13.23	3.0021	0.0063	4 55 25.6	15.843	0.275	91.4	200 282	5 487
631	8.3	2 31 36.95	+3.0211	+0.0068	−3 35 36.7	+15.822	−0.278	89.4	(33) 14 72 79	3 410
632	8.3	31 49.12	3.0152	0.0066	4 0 18.1	15.811	0.277	90.3	4 289	4 433
633	8.9	31 53.56	3.0401	0.0073	2 16 21.9	15.807	0.280	90.3	(27) (40) 289 291	2 451
634	9.0	31 58.23	3.0010	0.0063	4 58 53.7	15.803	0.276	91.8	282 290	5 489
635	7.2	32 4.13	3.0329	0.0071	2 46 10.4	15.798	0.279	91.4	200 281	2 452
636	8.3	2 32 10.19	+3.0102	+0.0065	−4 20 32.2	+15.792	−0.277	91.8	288 291	4 434
637	8.7	32 22.49	3.0332	0.0071	2 44 41.7	15.781	0.280	91.4	200 281	2 454
638	8.6	32 31.91	2.9929	0.0061	5 31 29.4	15.773	0.276	91.8	282 289	5 491
639	**6.0**	**32 39.48**	**3.0174**	**0.0067**	**3 49 44.4**	**15.766**	**0.279**		**Fund. Kat.**	**4 436**
640	8.8	32 42.61	3.0314	0.0071	2 51 45.6	15.763	0.280	91.8	290 291	3 413
641	8.0	2 33 20.10	+3.0461	+0.0075	−1 50 30.2	+15.729	−0.282	91.8	282 289	2 456
642	8.8	33 35.95	3.0484	0.0076	1 40 33.2	15.715	0.283	91.8	291 294	1 372
643	8.7	33 51.31	3.0434	0.0074	2 1 3.5	15.701	0.283	91.8	281 288	2 460
644	8.5	33 55.22	3.0289	0.0071	3 0 50.8	15.697	0.282	91.8	289 291	3 415
645	9.0	33 59.54	3.0200	0.0068	3 37 34.0	15.693	0.281	90.4	(35) (43) 294 309	3 416
646	(8.0)[3]	2 34 13.90	+3.0388	+0.0073	−2 19 57.7	+15.680	−0.283	91.4	200 281	2 462
647	7.8	34 15.65	3.0363	0.0073	2 30 15.1	15.679	0 283	90.9	83 282	2 463
648	9.0	34 59.47	3.0236	0.0069	3 21 37.2	15.639	0.283	89.3 89.2	6 Beob.	3 417
649	8.4	35 34.88	2.9926	0.0062	5 27 15.5	15.606	0.281	91.8	282 288	5 498
650	8.6	35 35.82	3.0120	0,0067	4 8 19.9	15.606	0.283	91.8	289 291	4 446

[1] $\delta \frac{1}{2}$ [2] $\delta \frac{1}{4}$ [3] Dupl. maj.; Com. 10″ 10m

Nr.	Gr.	A.R 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
651	8.3	2h 35m 36s.84	+3s.0382	+0s.0073	—2° 21' 14".1	+15".605	—0".285	90.1	(27) (40) 200 281	2° 469
652	9.0	35 39.18	3.0018	0.0064	4 49 35.9	15.602	0.282	91.4	200 281	5 499
653	9.1	36 11.95	3.0481	0.0076	1 40 20.7	15.572	0.287	89.4	14 16 72 79	1 378
654	8 3	36 13.94	2.9961	0.0063	5 11 50.6	15.571	0.282	89.5	4 83	5 501
655	6.3	36 46.21	3 0190	0.0069	3 38 28.4	15.541	0.285	90.8	(35) 282 288	3 421
656	9.0	2 37 14.17	+3.0316	+0.0072	—2 46 46.8	+15.516	—0.287	89.7 89.9	(27) (40)[1] 16 289	2 476
657	(8.8)[2]	37 22.07	3.0468	0.0076	1 44 55.9	15.508	0.288	00.2	3 Beob.	1 382
658	8.9	37 40.48	3.0104	0.0067	4 11 58.3	15.491	0.286	90.3	(35) (43) 289 291	4 453
659	8.8	37 50.42	3.0023	0.0065	4 44 23.7	15.482	0.285	91.8	282 289	4 454
660	9.2	38 1.24	3.0028	0.0065	4 42 2.4	15.471	0.285	90.9	83 282	4 456
661	6.7	2 38 25.52	+3.0287	+0.0072	—2 57 24.6	+15.449	—0.288	89.2	6 Beob.	3 426
662	9.0	38 26.38	2.9848	0.0061	5 53 20.4	15.448	0.284	90.3	(35) (43) 289 291	6 523
663	8.5	39 21.55	2.9986	0.0064	4 56 39.4	15.397	0.287	90.3	(35) (43) 281 289	5 509
664	(8.3)[3]	39 35.94	3.0370	0.0074	2 23 5.8	15.383	0.291	89.4	7 Beob.	2 480
665	9.0	40 17.07	2.9837	0.0061	5 54 17.9	15.345	0.287	89.6	6 Beob.	6 537
666	7.7	2 40 59.83	+2.9914	+0.0063	—5 22 39.6	+15.305	—0.288	90.3	(35) (43) 281 287	5 514
667	(8.5)[4]	41 27.45	3.0454	0.0076	1 48 14.8	15.278	0.294	89.2	6 Beob.	1 391
668	9.2	41 43.37	3.0414	0.0075	2 3 58.6	15.263	0.294	89.9 90.0	7 Beob.	[2 485]
669	8.6	42 6.09	3.0174	0.0069	3 38 46.9	15.242	0.293	90.2	5 Beob.	3 436
670	8.5	42 23.36	3.0162	0.0069	3 42 55.4	15.226	0.293	91.8	281 287 291	3 437
671	9.0	2 42 31.90	+3.0271	+0.0072	—3 0 4.4	+15.218	—0.294	89.6	6 Beob.	3 438
672	7.3	43 11.60	3.0111	0.0068	4 2 9.6	15.180	0.293	89.6	5 Beob.	4 470
673	8.3	43 21.51	2.9917	0.0064	5 17 49.8	15.170	0.292	91.5	200 281 291	5 519
674	8.8	43 23.09	3.0468	0.0077	1 42 1.0	15.169	0.297	90.2	6 Beob.	1 395
675	8.3	43 23.13	2.9910	0.0064	5 20 14.7	15.169	0.292	91.4	200 281	5 521
676	8.3	2 43 47.18	+3.0432	+0.0076	—1 55 53.3	+15.146	—0.297	89.2	6 Beob.	2 491
677	7.7	43 56.62	2.9870	0.0063	5 35 3.9	15.137	0.292	91.2	83 281 291	5 524
678	7.0	44 2.13	3.0015	0.0066	4 38 26 9	15.131	0.294	90.6	5 Beob.	4 476
679	9.1	44 2.80	3.0035	0.0067	4 30 36.4	15.131	0.294	90.0 89.8	(35) (43)[5] 287	4 477
680	8.7	44 41.11	3.0118	0.0068	3 57 46.4	15.094	0.296	91.0	93a6 94 281 287	4 479
681	8.6	2 45 1.29	+2.9936	+0.0065	—5 7 39.1	+15.075	—0.294	90.5	87a 87b 91 289	5 527
682	9.0	45 11.18	3.0361	0.0075	2 22 30.2	15.065	0.299	89.6 89.7	7 Beob.	2 498
683	7.2	45 22.40	2.9892	0.0064	5 24 1.6	15.054	0.295	89.9	6 Beob.	5 528
684	7.7	46 20.08	3.0199	0.0071	3 24 34.8	14.999	0.299	90.0	7 Beob.	3 453
685	8.9	46 28.63	2.9961	0.0075	4 56 6.1	14.990	0.297	90.0 89.8	7 Beob.	5 532
686	9.0	2 46 47.50	+3.0124	+0.0069	—3 52 50.8	+14.972	—0.299	89.8	6 Beob.	4 483
687	9.0	47 13.04	3.0176	0.0071	3 32 27.6	14.947	0.300	89.5	5 Beob.	3 455
688	8.8	48 3.56	3.0467	0.0077	1 40 2.7	14.898	0.304	89.4	14 16 72 79	1 406
689	8.9	48 10.39	3.0232	0.0072	3 9 52.0	14.891	0.302	90.2	6 Beob.	3 456
690	7.3	48 14.26	2.9840	0.0063	5 39 29.8	14.888	0.298	91.5	200 281 291	5 536
691	9.1	2 48 16.17	+3.0079	+0.0068	—4 8 11.0	+14.886	—0.300	90.1 90.3	5 Beob.	4 487
692	7.8	48 30.67	3.0406	0.0076	2 2 59.9	14.872	0.304	90.8	93a6 94 287	2 511
693	8.8	48 36.97	3.0435	0.0077	1 52 2.3	14.865	0.304	90.4	14 83 200 281	2 513
694	7.5	48 43.06	2.9996	0.0067	4 39 19.1	14.860	0.300	90.3	(35) (43) 282 287	4 491
695	9.0	48 46.52	3.0323	0.0074	2 34 47.0	14.856	0.303	90.3	(27) 282	2 515
696	9.1	2 49 0.15	+3.0431	+0.0077	—1 53 12.8	+14.843	—0.305	89.9	14 16 79 289	[2 516]
697	7.0	49 40.11	2.9821	0.0063	5 44 14.1	14.803	0.300	90.5	87a 87b 91 289	5 541
698	8.3	49 49.60	3.0298	0.0074	2 43 14.0	14.794	0.305	90.4	6 Beob.	2 517
699	8.0	49 55.98	3.0141	0.0070	3 42 44.5	14.788	0.303	89.4	14 16 72 79	3 459
700	8.7	50 10.98	2.9980	0.0067	4 43 21.2	14.773	0.302	90.1	(35) (43) 200 281	4 496

[1] $a\frac{1}{2}$ δ o [2] Dupl. praec.; Com. 7" 9m [3] Dupl. bor. maj.; Com. 6" schwach 9m [4] Dupl. maj. [5] $a\frac{1}{2}$ [6] $\frac{1}{2}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
701	9.0	2^h 50^m 19^s.63	+2^s.9917	+0^s.0065	−5° 7′ 1″.6	+14^s.765	−0^s.302	91.4	200 281	5° 542
702	9.1	50 32.57	3.0037	0.0068	4 21 31.4	14.752	0.303	91.8	282 289	4 498
703	9.0	51 16.03	3.0291	0.0074	2 45 2.2	14.709	0.306	90.3	(27) (40) 282 287	2 520
704	5.3	51 36.62	3.0072	0.0069	4 6 54.3	14.688	0.305	91.8	287 291	4 502
705	8.0	51 42.92	2.9809	0.0063	5 45 20.0	14.682	0.302	91.4	200 281	5 546
706	8.9	2 51 52.14	+3.0413	+0.0077	−1 58 31.4	+14.673	−0.309	91.8	287 291	2 521
707	8.8	51 57.86	3.0381	0.0076	2 10 28.3	14.667	0.308	91.8	289 291	2 522
708	9.1	52 11.82	3.0005	0.0068	4 31 22.0	14.653	0.305	91.9	289 309	[4 504]
709	8.6	52 36.71	2.9805	0.0064	5 45 36.2	14.629	0.304	91.4	200 281	5 551
710	7.9	52 56.34	3.0289	0.0074	2 44 16.7	14.609	0.309	91.1	93a[1] 94 287 291	2 526
711	8.5	2 52 57.60	+2.9906	+0.0066	−5 7 32.7	+14.608	−0.305	90.3 90.1	(35)[2] (43) 200 281	5 553
712	8.5	53 19.43	3.0410	0.0077	1 58 55.7	14.586	0.311	91.8	282 287	2 529
713	9.0	53 33.89	3.0177	0.0072	3 25 35.9	14.571	0.309	90.0	7 Beob.	3 469
714	8.0	53 39.53	2.9987	0.0068	4 36 32.7	14.566	0.307	91.8	282 287	4 506
715	5.5	53 39.78	3.0217	0.0072	3 10 52.5	14.566	0.309	90.7	83 198 201	3 470
716	7.3	2 54 9.24	+2.9892	+0.0066	−5 10 57.4	+14.536	−0.306	90.1	(35) (43) 200 281	5 554
717	9.0	54 27.08	3.0437	0.0077	1 48 12.7	14.518	0.312	90.6	93a[1] 94 198 201	1 426
718	9.0	54 29.87	3.0175	0.0072	3 25 41.1	14.515	0.310	90.5	87a 87b 91 294	3 473
719	7.8	54 32.64	2.9999	0.0068	4 30 53.5	14.512	0.308	91.4	200 281	4 511
720	6.2	54 38.17	3.0266	0.0074	2 51 47.0	14.507	0.311	89.4	14 16 72 79	3 475
721	8.6	2 54 38.45	+3.0254	+0.0073	−2 56 10.3	+14.507	−0.311	91.1	93a[1] 94 287 291	3 476
722	7.8	54 59.38	3.0372	0.0076	2 12 9.6	14.485	0.313	91.4	200 281	2 532
723	8.0	55 6.37	3.0069	0.0070	4 4 15.2	14.478	0.310	90.3	(35) (43) 282 289	4 512
724	8.9	55 11.02	2.9756	0.0063	5 59 22.3	14.474	0.306	90.9	83 201 282	6 583
725	6.8	55 48.50	3.0196	0.0072	3 16 32.5	14.436	0.312	89.7	9 Beob.	3 478
726	8.5	2 56 58.41	+3.0184	+0.0072	−3 20 4.8	+14.365	−0.313	89.4	14 16 76 79	3 482
727	9.0	57 5.91	3.0031	0.0069	4 16 2.4	14.357	0.312	91.0	83 309	4 515
728	8.3	57 54.96	3.0172	0.0072	3 23 27.4	14.307	0.314	89.7	7 Beob.	3 483
729	7.3	57 57.41	3.0322	0.0075	2 28 45.6	14.305	0.316	90.8	93a[1] 94 289	2 538
730	9.0	58 6.26	3.0094	0.0071	3 51 45.8	14.296	0.314	91.8	281 289	4 519
731	8.8	2 58 6.96	+2.9835	+0.0065	−5 26 14.0	+14.295	−0.311	91.1	198 201	5 566
732	9.0	58 15.78	3.0302	0.0075	2 35 45.4	14.286	0.316	90.5	87a 87b 91 294	2 540
733	9.1	58 36.50	3.0228	0.0073	3 2 23.0	14.265	0.316	90.0	76 93a[1] 94	[3 486]
734	7.0	59 8.00	2.9798	0.0065	5 38 3.1	14.233	0.312	90.0	5 Beob.	5 568
735	8.0	59 12.04	2.9950	0.0068	4 43 1.0	14.228	0.314	91.8	281 287	4 520
736	8.9	2 59 26.00	+3.0306	+0.0075	−2 33 24.9	+14.214	−0.318	89.4	14 16 72 79	2 543
737	9.1	59 45.12	3.0446	0.0078	1 42 21.0	14.194	0.320	90.8	5 Beob.	[1 440]
738	9.2	59 55.83	2.9813	0.0065	5 31 42.1	14.183	0.313	90.0 90.1	6 Beob.	5 570
739	8.5	3 0 38.96	2.9747	0.0064	5 54 7.4	14.139	0.314	90.6	(43) 83 281 291	6 603
740	8.9	0 41.99	3.0178	0.0072	3 18 50.8	14.136	0.318	89.5 89.4	14 16[2] 72 79	3 493
741	9.1	3 1 33.96	+3.0388	+0.0077	−2 2 28.1	+14.082	−0.321	90.5	5 Beob.	[2 551]
742	8.5	1 40.82	3.0397	0.0077	1 59 6.8	14.075	0.322	90.6	93a[1] 94 198 201	2 552
743	9.2	1 41.95	3.0364	0.0076	2 11 2.9	14.073	0.321	89.9	6 Beob.	2 553
744	8.2	1 49.56	2.9820	0.0066	5 26 15.6	14.066	0.316	91.8	281 287	5 579
745	9.0	1 49.85	2.9861	0.0066	5 11 39.5	14.065	0.316	91.0 90.6	5 Beob.	5 578
746	6.8	3 2 9.01	+3.0363	+0.0076	−2 11 16.2	+14.045	−0.322	90.0	76 93a[1] 94	2 554
747	7.8	2 21.36	2.9762	0.0065	5 46 14.0	14.032	0.316	90.9	83 281	5 581
748	8.5	2 37.53	3.0388	0.0077	2 1 59.9	14.016	0.323	89.5	5 Beob.	2 555
749	9.0	3 8.86	2.9843	0.0066	5 16 12.1	13.983	0.318	90.8	6 Beob.	5 584
750	8.3	3 25.94	3.0061	0.0070	3 58 25.4	13.965	0.321	90.7	94 198 201	4 529

[1] ½ [2] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
751	8.7	3h 3m 44s.49	+3s.0044	+0s.0070	−4° 4′ 8″.6	+13″.946	−0″.321	90.2	5 Beob.	4° 531
752	8.5	4 18.04	2.9732	0.0064	5 54 1.2	13.910	0.318	89.6	6 Beob.	6 614
753	8.6	4 26.09	3.0118	0.0072	3 36 57.0	13.902	0.323	89.7	14 72 76 79	3 502
754	9.3	4 54.66	2.9765	0.0065	5 41 26.3	13.872	0.319	91.4	5 Beob.	5 587
755	8.6	5 4.73	2.9757	0.0065	5 44 10.0	13.861	0.319	90.1 90.0	5 Beob.	5 589
756	9.5	3 5 11.90	+2.9765	+0.0065	−5 41 14.5	+13.854	−0.320	90.8	(43)[1] 291	5 590
757	9.5	5 12.01	2.9771	0.0065	5 39 5.0	13.854	0.320	91.8	287 291	[5 591]
758	7.7	5 13.99	3.0377	0.0077	2 4 28.9	13.852	0.326	89.5	5 Beob.	2 563
759	8.5	5 22.61	2.9975	0.0069	4 26 45.6	13.842	0.322	90.5	5 Beob.	4 537
760	7.8	5 40.48	2.9748	0.0065	5 46 25.4	13.824	0.320	90.3	(35) (43) 281 289	5 592
761	9.0	3 5 55.59	+3.0207	+0.0073	−3 4 8.6	+13.808	−0.325	91.2	94 289 291	3 507
762	9.0	6 17.32	3.0306	0.0075	2 28 53.9	13.785	0.327	89.5	5 Beob.	2 569
763	6.4	6 18.36	3.0016	0.0070	4 11 22.8	13.784	0.324	90.7	83 198 201	4 540
764	8.9	6 21.12	3.0149	0.0072	3 24 31.6	13.781	0.325	90.9	94 287	3 509
765	9.3	6 37.16	3.0430	0.0078	1 45 13.4	13.764	0.329	91.8	281 289	[1 452]
766	9.1	3 7 1.28	+3.0262	+0.0075	−2 44 15.8	+13.738	−0.327	91.1	198 201	2 571
767	8.5	7 2.07	3.0247	0.0074	2 49 13.4	13.737	0.327	90.4	16 289	2 572
768	8.2	7 27.24	3.0152	0.0073	3 22 36.1	13.710	0.327	91.8	281 287	3 512
769	8.7	7 41.53	3.0202	0.0073	3 4 39.2	13.695	0.328	91.8	289 291	3 513
770	8.7	7 41.78	3.0167	0.0073	3 16 56.9	13.695	0.327	91.8	281 287	3 514
771	9.0	3 7 45.71	+3.0295	+0.0075	−2 31 51.8	+13.691	−0.329	91.8	287 291	2 573
772	8.3	7 51.98	2.9785	0.0066	5 30 24.7	13.684	0.323	90.2	(43) 83 291	5 596
773	9.2	8 29.69	2.9926	0.0068	4 40 33.2	13.644	0.326	91.8	281 287	4 551
774	9.0	8 38.22	2.9897	0.0068	4 50 35.2	13.635	0.326	91.1	198 201	5 597
775	9.0	8 53.05	3.0148	0.0073	3 22 32.9	13.619	0.329	91.8	281 288[1]	3 517
776	8.8	3 8 54.19	+2.9888	+0.0068	−4 53 13.4	+13.618	−0.326	91.1	198 201	5 598
777	9.0	9 12.99	3.0207	0.0074	3 1 58.8	13.597	0.330	90.5	87^{a} 88 94 289	3 519
778	8.3	9 26.28	2.9778	0.0066	5 30 42.6	13.583	0.325	89.5 89.6	(35) (43)[2] 95 102	5 600
779	7.2	9 33.14	3.0262	0.0075	2 42 20.6	13.576	0.331	91.2	76 288[1] 293^{a}[1] 293	2 581
780	8.4	10 8.56	2.9718	0.0065	5 50 28.4	13.538	0.326	89.7 89.5	(35)δ (43) 91 102	6 630
781	8.5	3 10 9.54	+2.9837	+0.0067	−5 9 28.6	+13.537	−0.327	91.8	287 291	5 601
782	8.7	10 21.60	3.0288	0.0075	2 32 46.5	13.524	0.332	89.7	16 76 94	2 583
783	8.9	11 4.96	3.0305	0.0076	2 26 28.0	13.477	0.333	90.0	76 87^{a} 87^{b} 88	2 587
784	6.8	11 28.01	2.9920	0.0069	4 39 19.4	13.452	0.329	91.8	288[1] 291	4 558
785	7.5	11 39.31	3.0051	0.0071	3 53 51.3	13.440	0.331	90.1	91 94 95 102[2]	4 560
786	8.0	3 11 43.33	+3.0080	+0.0071	−3 43 56.7	+13.436	−0.331	90.3	87^{a} 87^{b} 88 288[1]	3 525
787	8.6	11 44.44	3.0215	0.0074	2 57 8.7	13.434	0.333	89.4	16 76	3 524
788	7.5	12 10.07	2.9944	0.0069	4 30 25.9	13.407	0.331	90.2	(43) 91 94 287	4 561
789	8.9	13 16.24	2.9925	0.0069	4 35 30.3	13.335	0.332	89.6	(43) 83 91	4 565
790	9.1	13 23.79	2.9878	0.0068	4 51 25.1	13.326	0.331	91.1	198 201	5 615
791	8.8	3 13 27.84	+3.0381	+0.0077	−1 58 58.4	+13.322	−0.337	89.9	16 76 288[1]	2 598
792	8.8	13 51.95	3.0110	0.0072	3 31 43.0	13.296	0.335	91.1	198 201	3 533
793	7.3	13 58.09	3.0167	0.0073	3 12 17.0	13.289	0.335	91.8	281 287	3 534
794	8.7	14 0.29	2.9832	0.0067	5 6 40.3	13.287	0.332	90.0	5 Beob.	5 618
795	8.7	14 41.39	3.0301	0.0075	2 25 58.0	13.242	0.338	90.0	76 94	2 603
796	7.7	3 14 58.23	+3.0384	+0.0077	−1 57 17.4	+13.223	−0.339	90.4	16 287	2 604
797	9.2	15 0.80	3.0391	0.0077	1 55 5.4	13.220	0.339	90.1	83 91 95 102	[2 605]
798	8.8	15 5.06	3.0133	0.0072	3 22 49.9	13.216	0.336	90.3	(43) 198 201	3 538
799	9.1	15 5.57	3.0393	0.0077	1 54 3.8	13.215	0.339	90.1	94 95 102[3]	2 606
800	8.3	15 23.20	3.0355	0.0076	2 7 1.0	13.196	0.339	91.0	76 281 288[1]	2 607

[1] ½ [2] δ ½ [3] δ ¼

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
801	8.5	3ʰ 15ᵐ 38ˢ.49	+2ˢ.9896	+0ˢ.0068	−4° 42′ 49″.5	+13″.179	−0″.334	90.5	87^a 87^b 88 287	4° 570
802	8.1	15 48.13	3.0116	0.0072	3 28 13.5	13.168	0.337	89.9 90.3	(35)[1] (43)[1] 198 201	3 540
803	9.0	15 49.75	2.9901	0.0068	4 41 7.2	13.167	0.335	90.7	5 Beob.	4 571
804	8.5	16 46.74	2.9749	0.0066	5 31 8.2	13.104	0.334	89.7	6 Beob.	5 625
805	9.0	16 50.37	2.9698	0.0065	5 48 30.4	13.100	0.333	91.1	198 201	5 626
806	9.1	3 16 56.24	+2.9759	+0.0066	−5 27 36.8	+13.093	−0.334	91.3	91 281 287 288[2]	5 627
807	7.7	17 13.34	2.9752	0.0066	5 29 46.0	13.074	0.335	89.8	7 Beob.	5 628
808	8.9	17 22.13	3.0144	0.0073	3 17 33.7	13.065	0.339	89.7	16 76 94	3 542
809	8.5	17 47.84	3.0299	0.0075	2 24 58.2	13.036	0.341	90.3	76 94 288[2]	2 611
810	8.3	18 8.20	3.0399	0.0077	1 50 54.4	13.014	0.343	90.4	5 Beob.	2 612
811	8.5	3 18 52.15	+3.0226	+0.0074	−2 48 53.0	+12.965	−0.342	91.8	281 287	2 615
812	9.0	18 55.46	2.9666	0.0065	5 56 25.3	12.961	0.336	89.7	5 Beob.	6 670
813	9.3	19 29.58	3.0400	0.0077	1 50 5.7	12.923	0.345	89.6	16 94	[1 486]
814	8.0	19 32.04	3.0032	0.0071	3 53 23.3	12.920	0.340	90.5	87^a 87^b 198 201	4 585
815	8.8	19 54.60	2.9820	0.0067	5 3 53.9	12.895	0.339	90.8	(35) 281 287	5 639
816	8.7	3 19 54.70	+3.0248	+0.0074	−2 40 47.3	+12.895	−0.343	90.0	76 94 95 102	2 618
817	7.9	20 4.11	2.9706	0.0066	5 41 37.6	12.885	0.337	90.9	91 287	5 642
818	8.6	20 8.38	3.0355	0.0076	2 4 44.9	12.880	0.345	91.1	198 201	2 619
819	6.9	20 10.42	2.9861	0.0068	4 49 58.5	12.878	0.339	91.8	281 287	4 586
820	7.0	20 21.67	2.9829	0.0068	5 0 28.6	12.865	0.339	90.3	87^a 87^b 88 288[2]	5 644
821	9.0	3 20 29.53	+2.9847	+0.0068	−4 54 21.6	+12.856	−0.340	91.1	198 201	5 646
822	8.9	20 51.56	3.0397	0.0077	1 50 20.7	12.832	0.346	90.8	76 94 293^a[2] 293	2 621
823	8.7	20 53.46	2.9931	0.0069	4 25 44.3	12.829	0.341	90.0	83 91	4 591
824	8.5	21 12.92	2.9877	0.0068	4 43 21.6	12.808	0.341	91.1	198 201	4 593
825	8.9	21 17.27	3.0280	0.0075	2 29 26.7	12.803	0.345	90.5	87^a 87^b 88 294	2 623
826	8.8	3 21 24.48	+3.0340	+0.0076	−2 9 10.3	+12.795	−0.346	90.0	76 95 102	2 627
827	8.8	21 38.70	2.9678	0.0065	5 49 2.5	12.779	0.339	91.8	281 288[2]	5 656
828	9.1	21 43.60	3.0040	0.0071	3 49 1.1	12.773	0.343	91.8	287 291	3 552
829	9.0	22 3.83	2.9808	0.0067	5 5 18.6	12.750	0.341	97.1	2 Beob.	5 660
830	8.9	22 5.50	3.0075	0.0072	3 37 8.8	12.748	0.344	91.8	288[2] 291	3 553
831	9.1	3 22 7.87	+2.9689	+0.0065	−5 44 38.2	+12.746	−0.340	91.0	5 Beob.	5 662
832	8.0	22 19.25	3.0101	0.0072	3 28 13.2	12.733	0.345	89.6	16[2] 76	3 554
833	9.1	22 20.37	2.9779	0.0067	5 14 48.8	12.732	0.341	90.1	94 95 102	5 664
834	8.0	23 5.93	3.0216	0.0074	2 49 36.2	12.680	0.347	90.5	87^a 87^b 88 287	2 633
835	8.9	23 13.19	3.0329	0.0076	2 12 1.8	12.672	0.348	90.0	83 91	2 635
836	9.0	3 23 21.03	+3.0096	+0.0072	−3 29 14.0	+12.663	−0.346	89.7	16 76 94	3 558
837	8.2	23 23.32	2.9837	0.0068	4 54 33.1	12.661	0.343	89.9	(35) (43) 198 201	5 668
838	8.9	23 34.25	3.0248	0.0074	2 38 37.8	12.648	0.348	90.1	95 102	2 636
839	8.6	23 39.67	3.0081	0.0072	3 33 39.8	12.642	0.346	91.8	281 288[2]	3 560
840	9.0	24 8.23	2.9633	0.0065	6 0 39.3	12.610	0.341	91.8	281 287	6 681
841	8.6	3 24 13.70	+2.9974	+0.0070	−4 8 32.2	+12.604	−0.345	91.1	198 201	4 604
842	9.0	24 28.11	2.9652	0.0065	5 53 57.9	12.587	0.342	90.1	(35) (43) 288[2] 291	6 683
843	8.6	24 32.41	3.0347	0.0076	2 5 30.5	12.582	0.350	89.4	16 76	2 640
844	8.3	25 9.52	2.9778	0.0067	5 11 52.9	12.540	0.344	89.9	(35) (43) 198 201	5 672
845	8.7	25 13.31	3.0122	0.0072	3 19 19.8	12.536	0.348	90.0	83 91	3 564
846	4.8	3 25 39.26	+2.9736	+0.0066	−5 25 4.4	+12.506	−0.344		Fund. Kat.	5 674
847	7.8[3]	25 40.19	2.9884	0.0068	4 36 54.9	12.505	0.346	91.8	288[2] 291	4 609
848	8.9	25 41.21	3.0300	0.0075	2 20 18.5	12.504	0.351	91.8	287 291	2 643
849	9.0	25 42.47	3.0340	0.0076	2 7 15.6	12.503	0.351	91.8	287 291	2 644
850	8.8	25 56.36	3.0214	0.0074	2 48 39.1	12.487	0.350	91.8	288[2] 293^a[2] 293	2 646

[1] δ ½ [2] ½ [3] Dupl. 1″ med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
851	8.6	3h 26m 2s.09	+3s.0254	+0s.0074	−2° 35′ 18″.7	+12″.480	−0″.351	91.8	287 293a1 293	2° 648
852	8.1	26 4.50	2.9633	0.0065	5 58 18.5	12.478	0.344	91.8	288¹ 293a1 293	6 690
853	9.0	26 12.93	2.9961	0.0070	4 10 58.6	12.468	0.348	90.7	91 198 201	4 612
854	8.5	26 24.51	3.0134	0.0072	3 14 23.4	12.455	0.350	91.9	287 309	3 565
855	9.0	26 39.01	2.9959	0.0070	4 11 28.6	12.438	0.348	91.1	198 201	4 614
856	7.3	3 26 39.44	+3.0024	+0.0071	−3 50 18.6	+12.438	−0.349	91.8	288¹ 291	4 613
857	8.9	27 16.16	3.0355	0.0076	2 1 50.8	12.396	0.353	90.0	83 91	2 649
858	8.2	27 24.53	3.0056	0.0071	3 39 5.4	12.386	0.350	90.1	95 102	3 570
859	8.1	27 25.81	2.9863	0.0068	4 41 52.1	12.385	0.348	89.9	6 Beob.	4 618
860	8.3	27 37.92	3.0359	0.0076	2 0 24.3	12.371	0.354	90.0	76 91 94	2 651
861	8.4	3 27 43.80	+2.9851	+0 0068	−4 45 31.2	+12.364	−0.348	90.6	87a 88 294	4 619
862	8.8	27 59.71	3.0125	0.0072	3 16 15.9	12.346	0.351	90.4	16 287	3 571
863	7.5	28 8.63	3.0323	0.0075	2 11 54.4	12.335	0.354	91.8	287 293a1 293	2 652
864	8.4	28 25.78	2.9856	0.0068	4 43 6.5	12.316	0.349	90.6	87a 88 294	4 621
865	8.7	28 27.30	3.0196	0.0073	2 52 47.7	12.314	0.353	90.1	94 95 102	3 572
866	8.0	3 28 35.59	+2.9928	+0.0069	−4 19 47.9	+12.304	−0.350	91.8	287 293a1 293	4 622
867	9.0	28 57.16	3.0248	0.0074	2 35 47.8	12.280	0.354	91.0	76 293a1 293	2 655
868	9.0	28 58.89	3.0267	0.0074	2 29 43.5	12.278	0.354	90.0	83 91	2 656
869	8.8	29 14.94	2.9728	0.0066	5 23 38.0	12.259	0.348	90.1	95 102	5 687
870	8.2	29 23.85	3.0068	0.0071	3 33 43.6	12.249	0.352	90.4	16 287	3 574
871	9.0	3 29 38.14	+3.0239	+0.0074	−2 38 22.4	+12.232	−0.355	90.0	76 94	2 658
872	7.4	29 53.03	3.0033	0.0071	3 44 44.9	12.215	0.353	90.5	87a 87b 88 294	3 576
873	8.5	30 8.57	2.9755	0.0067	5 13 59.1	12.197	0.350	89.7	2 18 105 288¹	5 695
874	9.0	30 45.28	2.9854	0.0068	4 41 41.7	12.154	0.351	90.0	80 83 91	4 629
875	8.7	30 45.81	2.9948	0.0069	4 11 30.4	12.154	0.353	90.1	95 102	4 630
876	6.5	3 30 59.85	+2.9711	+0.0066	−5 27 27.2	+12.138	−0.350	89.0	2 18	5 696
877	9.0	31 0.10	3.0227	0.0074	2 41 37.9	12.137	0.356	89.7	16 76 94	2 667
878	9.0	31 7.44	2.9733	0.0066	5 20 15.1	12.129	0.350	91.1	198 201	5 697
879	8.7	31 17.62	3.0374	0.0076	1 54 0.2	12.117	0.358	90.3	5 Beob.	2 668
880	8.8	31 19.11	2.9623	0.0065	5 55 8.7	12.115	0.349	90.9	105 287	6 704
881	9.5	3 31 25.87	+3.0381	+0.0076	−1 51 35.4	+12.107	−0.358	90.6	87a 88 290	[2 669]
882	8.5	31 27.67	2.9989	0.0070	3 57 51.7	12.105	0.354	90.1	95 102	4 632
883	8.9	31 32.26	3.0141	0.0072	3 8 51.8	12.100	0.356	91.3	76 290 293a1 293	3 581
884	9.0	31 51.33	2.9791	0.0067	5 0 56.4	12.078	0.352	91.3	80 287 293a1 293	5 700
885	9.0	32 16.58	2.9795	0.0067	4 59 2.5	12.048	0.352	89.4	2 18 91	5 701
886	8.9	3 33 5.65	+2.9854	+0.0068	−4 39 37.8	+11.991	−0.354	90.0	80 83 91	4 636
887	8.7	33 12.65	3.0339	0.0075	2 4 19.8	11.983	0.360	89.8	16 76 95 102	2 675
888	8.5	33 14.94	3.0186	0.0073	2 53 15.3	11.980	0.358	90.3	87a 87b 88 288¹	3 588
889	9.0	33 20.35	3.0309	0.0075	2 14 1.9	11.974	0.360	90.7	105 198 201	2 676
890	8.7	33 21.62	3.0372	0.0076	1 53 52.7	11.972	0.360	91.1	198 201	2 677
891	7.8	3 33 30.95	+3.0276	+0.0074	−2 24 26.2	+11.961	−0.360	90.6	76 94 290	2 679
892	7.7	33 50.06	3.0380	0.0076	1 51 5.7	11.939	0.361	90.4	16 287	2 681
893	9.2	33 50.23	2.9971	0.0070	4 1 46.8	11.939	0.356	91.5	201 293	[4 638]
894	5.8	34 4.88	2.9608	0.0064	5 56 45.5	11.922	0.352	89.5	2 18 87a 88	6 713
895	9.0	34 19.76	2.9856	0.0068	4 37 47.4	11.904	0.355	91.3	80 290 293a1 293	4 640
896	6.3	3 34 37.85	+3.0028	+0.0070	−3 42 57.2	+11.883	−0.358	91.8	287 293a1 293	3 591
897	7.8	34 40.47	3.0367	0.0075	1 54 59.2	11.880	0.362	95.3	3 Beob.	2 683
898	8.3	34 48.65	3.0304	0.0074	2 14 58.7	11.870	0.361	89.8	5 Beob.	2 684
899	9.0	34 58.28	2.9594	0.0064	6 0 6.1	11.859	0.353	89.0	2 18	6 716
900	8.9	35 0.88	2.9704	0.0066	5 25 24.9	11.856	0.354	91.1	102 293a1 293	5 711

¹ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
901	8.0	$3^h\ 35^m\ 5^s.86$	$+3^s.0309$	$+0^s.0075$	−2° 13′ 15″.7	+11″.850	−0″.362	89.7	16 76 94	2° 686
902	7.2	35 16.13	3.0061	0.0071	3 32 3.9	11.838	0.359	91.2	80 287 293	3 592
903	5.5	35 41.22	2.9680	0.0065	5 32 1.2	11.808	0.355	90.6	87^a 88 290	5 715
904	7.5	35 42.13	3.0227	0.0073	2 38 56.7	11.807	0.361	91.1	198 201	2 690
905	8.3	35 47.32	2.9883	0.0068	4 28 6.7	11.801	0.357	91.1	198 201	4 647
906	9.0	3 35 51.83	+3.0352	+0.0075	−1 59 15.3	+11.796	−0.363	90.1	94 95 102	2 691
907	9.0	35 53.84	3.0262	0.0074	2 27 46.9	11.794	0.362	90.8	76 293	2 692
908	8.8	35 59.23	3.0252	0.0074	2 30 57.1	11.787	0.362	90.3	16 105 290	2 693
909	9.1	36 7.01	2.9649	0.0065	5 41 21.0	11.778	0.355	90.3	2 287	5 717
910	8.5	36 12.78	2.9664	0.0065	5 36 40.7	11.771	0.355	90.3	2 287	5 718
911	9.0	3 36 20.38	+2.9589	+0.0064	−6 0 8.1	+11.762	−0.354	91.3	80 294 309	6 725
912	8.0	36 40.14	3.0127	0.0072	3 10 4.5	11.739	0.361	90.0	83 91	3 597
913	8.6	36 46.74	2.9671	0.0065	5 33 43.5	11.731	0.356	90.0	87^a 88	5 721
914	9.1	37 2.56	3.0028	0.0070	3 41 8.8	11.712	0.360	91.0	105 290	[3 599]
915	9.1	37 29.25	3.0240	0.0073	2 34 6.1	11.681	0.363	89.8	16 76 95 102	2 699
916	9.0	3 37 44.09	+3.0218	+0.0073	−2 40 45.8	+11.663	−0.363	91.2	80 290 309	2 700
917	7.7	37 45.36	2.9790	0.0067	4 55 28.9	11.662	0.358	89.5	2 18 87^a 88	5 724
918	9.0	37 46.41	2.9836	0.0067	4 41 5.9	11.660	0.359	91.1	198 201	4 652
919	7.5	38 19.32	3.0273	0.0073	2 23 7.3	11.621	0.365	89.7	16 76 105	2 702
920	7.8	38 33.01	3.0271	0.0073	2 23 42.4	11.605	0.365	90.3	16 105 287	2 703
921	8.8	3 38 42.72	+2.9741	+0.0066	−5 9 52.6	+11.594	−0.359	91.9	290 309	5 729
922	8.5	38 55.80	2.9850	0.0067	4 35 45.2	11.578	0.360	90.0	87^a 88	4 655
923	8.3	39 3.42	3.0291	0.0074	2 17 15.0	11.569	0.366	91.8	290 293	2 707
924	8.9	39 30.60	2.9998	0.0070	3 48 46.9	11.536	0.363	91.9	290 309	3 605
925	9.0	40 55.51	2.9647	0.0065	5 37 12.6	11.435	0.360	90.3	2 88 287	5 738
926	9.1	3 41 22.20	+3.0337	+0.0074	−2 2 4.6	+11.403	−0.369	89.9 90.0	5 Beob.	[2 714]
927	9.0	42 3.83	3.0388	0.0075	1 45 55.5	11.353	0.370	90.1	95 102 105	1 533
928	9.0	42 15.80	3.0033	0.0070	3 36 12.6	11.339	0.366	90.6	80 82 293	3 612
929	8.8	42 24.42	3.0224	0.0072	2 36 35.4	11.328	0.369	89.2	(41) 6 19 76	2 717
930	9.0	42 28.85	2.9779	0.0066	4 54 36.7	11.323	0.363	90.5	87^a 88 91 290	5 746
931	8.2	3 42 43.14	+3.0173	+0.0072	−2 52 25.9	+11.306	−0.368	90.6	76 94 290	3 614
932	8.9	42 48.16	2.9718	0.0066	5 13 22.8	11.300	0.363	91.1	198 201	5 748
933	7.5	42 49.91	2.9733	0.0066	5 8 43.2	11.298	0.363	89.0	2 18	5 749
934	8.9	42 53.40	3.0146	0.0071	3 0 42.9	11.293	0.368	90.7	94 105 287	3 615
935	9.0	42 54.93	2.9613	0.0064	5 45 32.6	11.291	0.362	91.1	198 201	5 750
936	7.2	3 42 57.61	+3.0115	+0.0071	−3 10 11.7	+11.288	−0.368	90.6	80 82 293	3 616
937	9.0	43 20.87	3.0371	0.0074	1 50 36.2	11.260	0.371	91.0	102 293	1 536
938	8.3	43 24.85	3.0256	0.0073	2 26 12.3	11.255	0.370	89.0	(41) 6 19	2 721
939	8.4	43 29.75	2.9791	0.0066	4 50 3.8	11.249	0.364	97.1	2 Beob.	4 668
940	7.3	43 39.29	2.9812	0.0067	4 43 40.1	11.238	0.365	90.5	87^a 88 91 287	4 670
941	7.8	3 43 42.58	+3.0198	+0.0072	−2 44 9.0	+11.234	−0.370	90.6	76 94 290	2 723
942	9.0	44 12.23	3.0376	0.0074	1 48 52.6	11.198	0.372	91.0	102 293	1 538
943	7.5	44 14.23	3.0387	0.0074	1 45 28.1	11.196	0.372	90.7	95 198 201	1 539
944	8.7	44 32.52	2.9790	0.0066	4 49 29.5	11.174	0.366	90.5	80 82 198 201	4 672
945	7.3	44 36.58	3.0217	0.0072	2 37 57.1	11.169	0.371	89.2	(41) 6 19 76	2 726
946	9.0	3 44 42.79	+3.0099	+0.0070	−3 14 23.5	+11.161	−0.369	91.8	287 293	3 619
947	9.0	44 45.71	2.9640	0.0064	5 35 30.5	11.158	0.364	89.0	2 18	5 755
948	8.8	44 57.37	3.0225	0.0072	2 35 19.7	11.144	0.371	90.9	94 287	2 730
949	9.0	45 8.81	2.9607	0.0064	5 45 14.4	11.130	0.364	90.9	88 287	5 757
950	7.0	45 11.29	3.0372	0.0074	1 49 38.6	11.127	0.373	90.1	95 102	1 544

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
951	7.5	3h 45m 18s.94	+2s.9912	+0s.0068	—4° 11' 30".4	+11".117	—0".368	91.0	105 290	4° 674
952	8.2	45 23.14	2.9679	0.0065	5 22 45.1	11.112	0.365	89.7	2 82 91	5 758
953	9.2	45 31.59	2.9689	0.0065	5 19 33.5	11.102	0.365	90.6	80 91 290	5 760
954	8.0	45 43.41	2.9769	0.0066	4 55 4.5	11.088	0.366	91.1	198 201	5 762
955	9.2	45 52.27	3.0205	0.0072	2 41 6.6	11.077	0.372	90.2	6 76 94 293	2 735
956	8.9	3 46 25.78	+3.0284	+0.0073	—2 16 28.7	+11.036	—0.373	91.1	198 201	2 737
957	8.8	46 33.88	3.0198	0.0071	2 42 57.2	11.026	0.373	89.6	5 Beob.	2 738
958	8.3	46 57.11	3.0354	0.0073	1 54 41.1	10.998	0.375	89.0	6 19	2 739
959	8.5	47 6.26	3.0001	0.0069	3 43 1.8	10.987	0.371	90.6	80 82 293	3 625
960	7.8	47 8.11	2.9966	0.0068	3 53 44.7	10.985	0.370	90.6	87[a] 88 290	4 682
961	7.0	3 47 33.77	+2.9678	+0.0065	—5 21 14.5	+10.953	—0.367	89.0	2 18	5 768
962	8.8	47 35.46	3.0213	0.0071	2 37 36.1	10.951	0.374	90.2 90.5	(41)[1] 94 287	2 742
963	5.6	47 45.19	2.9617	0.0064	5 39 35.3	10.939	0.367		**Fund. Kat.**	5 769
964	8.9	47 54.63	2.9794	0.0066	4 45 39.6	10.928	0.369	91.1	198 201	4 683
965	7.5	48 1.29	2.9812	0.0066	4 40 3.1	10.920	0.369	90.1	95 102[1]	4 684
966	9.0	3 48 5.10	+3.0309	+0.0073	—2 8 6.9	+10.915	—0.375	91.1	2 Beob.	2 745
967	8.0	48 8.56	3.0278	0.0072	2 17 42.8	10.911	0.375	91.8	287 293	2 747
968	8.3	48 15.03	3.0022	0.0069	3 35 38.9	10.903	0.372	91.8	290 293	3 629
969	8.9	48 35.16	2.9683	0.0065	5 18 44.9	10.878	0.368	89.0	2 18	5 771
970	(5.0)[2]	49 16.08	3.0088	0.0069	3 15 2.2	10.828	0.374	90.0	80 82 94 105	3 631
971	7.8	3 49 35.77	+2.9850	+0.0067	—4 27 10.6	+10.804	—0.371	90.5	87[a] 88 91 287	4 689
972	8.5	49 46.27	2.9810	0.0066	4 39 11.4	10.791	0.371	90.0	12 20 290	4 690
973	8.2	50 12.23	2.9687	0.0064	5 16 13.2	10.759	0.370	89.0	2 18	5 775
974	9.0	50 16.54	3.0329	0.0072	2 1 11.7	10.754	0.378	90.8	6 Beob.	2 754
975	7.2	50 51.44	2.9775	0.0065	4 49 3.2	10.711	0.372	89.8	20 91 95 102	4 694
976	8.7	3 50 57.44	+3.0053	+0.0069	—3 24 41.7	+10.703	—0.375	90.0	5 Beob.	3 640
977	8.5	51 20.04	2.9649	0.0064	5 26 40.0	10.675	0.371	89.9	2 18 290	5 779
978	8.3	51 39.19	3.0359	0.0073	1 51 43.6	10.652	0.380	89.4	6 19 94	1 561
979	8.7	51 50.22	2.9553	0.0063	5 54 49.9	10.638	0.370	89.6	12 20 95 102	6 789
980	8.9	52 14.75	3.0051	0.0069	3 24 40.9	10.608	0.376	90.6	80 82 293	3 645
981	8.3	3 52 29.81	+2.9832	+0.0066	—4 30 28.9	+10.589	—0.374	90.7	105 198 201	4 699
982	8.8	52 32.48	3.0278	0.0071	2 15 50.0	10.586	0.380	90.6	87[a] 88 287	2 764
983	9.0	52 38.33	2.9563	0.0063	5 51 20.5	10.579	0.371	89.9	2 18 293	5 785
984	8.8	52 39.51	3.0100	0.0069	3 9 34.6	10.577	0.377	89.4	6 19 91	3 647
985	8.8	52 49.66	3.0157	0.0070	2 52 14.7	10.565	0.378	90.9	94 290	3 648
986	(8.5)[3]	3 53 11.15	+2.9695	+0.0064	—5 11 10.7	+10.538	—0.373	89.8	20 95 102	5 787
987	9.0	53 20.95	2.9938	0.0067	3 57 58.3	10.526	0.376	97.9	2 Beob.	4 704
988	7.1	53 36.42	3.0143	0.0070	2 56 16.0	10.506	0.379	90.0	6 Beob.	3 650
989	9.0	53 40.06	3.0143	0.0070	2 56 19.6	10.502	0.379	90.0	5 Beob.	3 651
990	7.5	53 40.77	2.9941	0.0067	3 57 5.8	10.501	0.377	90.4	80 82 105 290	4 706
991	6.0	3 53 56.73	+2.9580	+0.0063	—5 45 1.8	+10.481	—0.372	89.0	2 18	5 789
992	8.5	54 21.99	3.0323	0.0072	2 1 48.4	10.450	0.382	89.0	12 20	2 770
993	8.2	54 52.60	2.9767	0.0065	4 48 22.2	10.412	0.375	89.7	5 Beob.	4 709
994	9.0	54 57.34	3.0378	0.0072	1 45 5.4	10.406	0.383	89.6	6 19 94 105	1 570
995	9.0	56 1.04	2.9969	0.0067	3 47 9.3	10.326	0.379	90.0	12 20 293	3 658
996	8.8	3 56 2.11	+2.9725	+0.0064	—4 59 48.6	+10.325	—0.376	89.9	2 18 295	5 795
997	9.0	56 16.89	2.9791	0.0065	4 40 5.3	10.306	0.377	91.2	80 290 293	4 716
998	9.0	56 26.85	3.0141	0.0069	2 55 27.2	10.294	0.382	89.4	6 19 91	3 659
999	5.5	56 27.93	3.0361	0.0072	1 49 47.9	10.293	0.384	91.0	105 290	1 572
1000	8.8	56 36.20	3.0088	0.0068	3 11 22.3	10.282	0.381	90.5	5 Beob.	3 661

[1] δ ½ [2] Dupl. 5" maj. [3] Dupl. seq. maj.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
1001	9.0	3h 56m 54s.57	+2s.9842	+0s.0065	−4° 24′ 19″.8	+10″.259	−0″.378	89.6	12 18 295[1]	4° 719
1002	8.0	57 13.02	3.0344	0.0071	1 54 38.5	10.236	0.385	89.4	6 19 105	2 777
1003	8.8	57 14.37	2.9858	0.0065	4 19 20.7	10.234	0.379	90.4	20 198 201	4 721
1004	8.3	57 16.42	2.9763	0.0064	4 47 46.8	10.232	0.378	91.2	80 290 293	4 722
1005	8.3	57 18.29	2.9806	0.0065	4 34 54.1	10.230	0.378	90.9	88 290	4 723
1006	8.6	3 57 46.49	+2.9628	+0.0063	−5 27 23.9	+10.194	−0.376	91.1	198 201	5 803
1007	8.2	58 16.00	3.0196	0.0069	2 38 21.7	10.157	0.384	89.0	6 19	2 782
1008	9.0	58 21.25	3.0169	0.0069	2 46 17.2	10.150	0.384	91.0	105 290	2 783
1009	9.0	58 21.55	2.9725	0.0064	4 58 6.7	10.150	0.378	90.1	88 91 95 102	5 805
1010	9.2	58 23.03	3.0323	0.0071	2 0 28.4	10.148	0.386	91.1	198 201	2 784
1011	9.0	3 58 45.64	+3.0268	+0.0070	−2 16 38.4	+10.120	−0.385	91.8	290 293	2 786
1012	7.0	59 4.51	2.9742	0.0064	4 52 32.6	10.096	0.379	91.1	194[2] 203 206	5 810
1013	9.0	59 5.44	3.0144	0.0068	2 53 24.2	10.095	0.384	91.1	198 201	3 673
1014	9.3	59 16.23	3.0366	0.0071	1 47 17.1	10.081	0.387	89.0	6 19	1 579
1015	8.8	59 21.26	2.9821	0.0065	4 29 5.0	10.075	0.380	90.1	95 102	4 726
1016	9.0	3 59 22.31	+2.9729	+0.0064	−4 56 8.5	+10.074	−0.379	90.9	91 290	5 812
1017	8.0	59 31.89	2.9997	0.0067	3 36 48.3	10.062	0.383	91.0	105 294	3 676
1018	9.0	59 49.09	2.9939	0.0066	3 53 45.3	10.040	0.382	91.0	88 294	4 727
1019	9.0	59 49.30	3.0031	0.0067	3 26 39.4	10.040	0.383	90.0	12 20 295	3 677
1020	6.8	59 51.37	3.0181	0.0069	2 42 0.9	10.037	0.385	91.8	293 294	2 798
1021	9.0	4 0 6.80	+3.0312	+0.0070	−2 3 14.0	+10.017	−0.387	91.1	198 201	2 799
1022	8.6	0 6.84	3.0288	0.0070	2 10 12.5	10.017	0.387	91.8	290 293	2 800
1023	8.0	0 7.71	2.9703	0.0063	5 3 19.6	10.016	0.380	89.0	2 18	5 816
1024	8.7	0 13.91	2.9840	0.0065	4 22 55.2	10.008	0.381	90.6	5 Beob.	4 729
1025	8.8	0 41.70	3.0111	0.0068	3 2 22.7	9.973	0.385	89.4	6 19 105	3 680
1026	9.0	4 0 46.67	+2.9574	+0.0062	−5 40 46.3	+ 9.967	−0.379	90.0 90.2	12[2] 20 295	5 821
1027	8.7	0 55.88	2.9623	0.0062	5 26 16.6	9.955	0.379	89.5	2 18 95 102	5 822
1028	8.5	1 38.52	3.0284	0.0070	2 11 2.0	9.901	0.388	89.7	(41) 6 19 295	2 807
1029	9.0	1 41.08	2.9785	0.0064	4 38 6.7	9.898	0.382	90.0	12 20 91 290	4 735
1030	8.8	2 7.78	2.9783	0.0064	4 38 24.3	9.864	0.382	93.4 93.0	4 Beob.	4 736
1031	8.2	4 2 19.83	+3.0191	+0.0068	−2 38 8.7	+ 9.849	−0.388	90.1	88 95 102 105	2 814
1032	8.0	2 30.77	3.0063	0.0067	3 15 51.1	9.835	0.386	90.6	5 Beob.	3 685
1033	9.0	2 38.12	3.0343	0.0070	1 53 20.2	9.826	0.390	90.4 90.5	7 Beob.	2 816
1034	9.6	2 50.58	3.0347	0.0070	1 52 11.4	9.810	0.390	90.3 90.6	(41)[2] 198 201	[2 818]
1035	8.3	2 59.49	2.9819	0.0064	4 27 3.3	9.799	0.384	90.0	12 20 295	4 742
1036	8.5	4 3 0.56	+2.9856	+0.0064	−4 16 23.4	+ 9.797	−0.384	90.6 91.1	18[3] 194[2] 203 206	4 743
1037	8.3	3 34.10	2.9852	0.0064	4 17 4.4	9.754	0.385	90.6	5 Beob.	4 744
1038	9.0	3 34.70	2.9947	0.0065	3 49 21.2	9.754	0.386	90.8	5 Beob.	3 688
1039	(9.3)[4]	3 35.82	3.0125	0.0067	2 56 57.9	9.752	0.388	97.6	2 Beob.	— —
1040	8.3	3 37.64	3.0125	0.0067	2 57 9.2	9.750	0.388	90.3	(41) 198 201	3 690
1041	8.2	4 3 41.27	+2.9697	+0.0063	−5 2 27.8	+ 9.745	−0.383	91.0	105 290	5 833
1042	8.0	3 56.57	2.9747	0.0063	4 47 35.7	9.726	0.383	90.0	12 20 295	4 745
1043	8.8	4 7.64	2.9710	0.0063	4 58 16.1	9.712	0.383	91.8	290 293	5 836
1044	9.0	4 18.30	2.9657	0.0062	5 13 28.0	9.698	0.383	90.7 90.4	18[5] 198 201	5 837
1045	8.5	4 32.33	3.0329	0.0069	1 56 48.4	9.680	0.392	90.0	6 19 295	2 820
1046	9.0	4 4 44.68	+2.9999	+0.0066	−3 33 29.1	+ 9.664	−0.387	90.8	6 Beob.	3 695
1047	6.5	4 49.35	2.9942	0.0065	3 50 11.9	9.658	0.387	90.1	88 91 95 102	3 696
1048	8.8	5 16.75	3.0030	0.0066	3 24 2.0	9.623	0.388	89.0	12 20	3 699
1049	8.4	5 28.07	2.9866	0.0064	4 11 44.2	9.609	0.386	89.9	2 18 290	4 751
1050	7.3	5 47.03	2.9673	0.0062	5 7 53.2	9.585	0.384	90.6	80 82 293	5 841

[1] ½ [2] δ½ [3] δ0 [4] Schätzung 05.129 [5] *a*½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1051	8.6	4^h 5^m $53^s.36$	$+3^s.0163$	$+0^s.0067$	−2° 44′ 57″.3	+9″.577	−0″.391	89.7	(41) 6 19 295	2° 826
1052	8.5	5 53.77	2.9789	0.0063	4 33 54.6	9.576	0.386	91.1	198 201	4 753
1053	7.8	6 9.08	2.9590	0.0061	5 31 45.1	9.556	0.383	90.8 90.4	2[1] 290	5 843
1054	9.0	6 10.65	2.9981	0.0066	3 37 57.9	9.554	0.389	91.1	198 201	3 702
1055	8.5	6 19.58	3.0065	0.0066	3 13 26.9	9.543	0.390	89.0	12 20	3 703
1056	8.5	4 6 27.70	+3.0005	+0.0065	−3 30 54.6	+9.532	−0.389	91.1	194^a 203 206	3 704
1057	9.0	6 31.52	2.9903	0.0064	4 0 31.6	9.528	0.388	91.1	194^a 203 206	4 757
1058	9.0	6 47.20	2.9920	0.0064	3 55 27.7	9.507	0.388	90.6	80 82 309	4 758
1059	9.0	7 19.22	2.9523	0.0060	5 50 2.4	9.466	0.384	90.4	18 295	5 848
1060	7.0	7 22.56	2.9765	0.0063	4 40 4.0	9.462	0.387	91.1	198 201	4 763
1061	8.7	4 7 22.69	+2.9861	+0.0064	−4 12 5.1	+9.462	−0.388	89.0	12 20	4 762
1062	8.9	7 27.28	2.9789	0.0063	4 33 9.9	9.456	0.387	91.1	194^a 203 206	4 765
1063	7.6	7 30.84	3.0156	0.0067	2 46 20.1	9.451	0.392	90.9	6 294 295	2 832
1064	9.0	7 44.43	2.9822	0.0063	4 23 23.0	9.434	0.388	90.6	80 82 309	4 767
1065	8.9	7 48.54	2.9847	0.0064	4 15 56.8	9.429	0.388	91.1	194^a 203 206	4 768
1066	9.0	4 7 58.84	+3.0278	+0.0068	−2 10 39.2	+9.415	−0.394	91.1	198 201	2 834
1067	7.8	8 4.36	2.9784	0.0063	4 34 5.2	9.408	0.388	91.8	290 295	4 770
1068	7.4	8 13.37	2.9872	0.0064	4 8 26.3	9.397	0.389	90.9	80 82 290 293	4 771
1069	9.0	8 17.19	2.9866	0.0064	4 10 5.8	9.392	0.389	97.9	2 Beob.	4 773
1070	8.5	8 18.36	2.9792	0.0063	4 31 30.6	9.390	0.388	89.0	12 18	4 774
1071	8.5	4 9 14.22	+3.0339	+0.0068	−1 52 34.3	+9.318	−0.396	90.5	105 107^a 111 290	1 603
1072	8.7	9 16.91	3.0158	0.0066	2 45 4.4	9.315	0.393	89.0	(41)[2] 6 19	2 841
1073	7.8	9 34.35	3.0232	0.0067	2 23 33.5	9.292	0.395	90.1	95 102	2 844
1074	8.4	9 55.82	2.9554	0.0060	5 38 57.9	9.264	0.386	91.8	290 293	5 857
1075	9.0	10 11.04	2.9759	0.0062	4 40 0.8	9.245	0.389	91.0	105 290	4 782
1076	8.4	4 10 13.02	+3.0018	+0.0065	−3 25 13.6	+9.242	−0.392	91.8	293 294	3 725
1077	9.0	10 17.14	2.9771	0.0062	4 36 24.6	9.237	0.389	91.8	290 295	4 784
1078	9.0	10 37.35	2.9692	0.0061	4 59 0.9	9.211	0.389	91.3	102 294 295	5 859
1079	9.0	10 38.87	2.9671	0.0061	5 4 59.9	9.209	0.388	91.1	194^a 203 206	5 860
1080	8.8	10 39.57	3.0348	0.0068	1 49 38.2	9.208	0.397	89.7	(41) 6 19 295	1 607
1081	8.5	4 10 44.94	+2.9943	+0.0064	−3 46 42.7	+9.201	−0.392	90.7	107^a 111 294	3 727
1082	9.0	10 56.36	2.9750	0.0062	4 42 3.7	9.186	0.390	91.4	105 290 296^a[3] 296	4 786
1083	8.6	11 11.60	3.0025	0.0064	3 22 52.6	9.166	0.393	90.0	12 20 293	3 730
1084	9.0	11 16.03	2.9633	0.0061	5 15 21.3	9.161	0.388	91.5	208 294	5 863
1085	9.0	11 19.86	2.9560	0.0060	5 36 15.8	9.156	0.387	91.8	290 293	5 864
1086	9.0	4 11 22.14	+2.9512	+0.0059	−5 49 52.7	+9.153	−0.387	90.4	18 295	5 865
1087	9.0	11 32.25	2.9758	0.0062	4 39 23.2	9.139	0.390	90.8	105 194^a 203 206	4 789
1088	8.2	11 33.19	3.0182	0.0066	2 37 28.9	9.138	0.396	89.0	6 19	2 848
1089	9.4	11 39.19	3.0200	0.0066	2 32 17.3	9.130	0.396	90.4	(41) 296	[2 850]
1090	8.9	11 45.43	3.0026	0.0064	3 22 13.4	9.122	0.394	96.6	2 Beob.	3 732
1091	9.2	4 11 48.98	+3.0202	+0.0066	−2 31 31.8	+9.118	−0.396	90.3	6 Beob.	2 852
1092	8.9	12 15.45	3.0203	0.0066	2 31 12.8	9.083	0.397	90.0	80 82 107^a 111	2 853
1093	9.0	12 22.00	3.0355	0.0068	1 47 12.1	9.075	0.399	91.0	102 293	1 611
1094	8.8	12 37.71	3.0291	0.0067	2 5 45.6	9.054	0.398	89.4	6 19 105	2 855
1095	8.3	12 49.02	2.9601	0.0060	5 23 37.2	9.040	0.389	90.4	18 293	5 871
1096	9.0	4 13 4.34	+3.0732	+0.0061	−4 45 51.3	+9.020	−0.391	90.5	12 20 294 296	4 793
1097	8.9	13 13.88	2.9649	0.0060	5 9 33.0	9.007	0.390	91.1	194^a 203 206	5 874
1098	8.5	13 16.66	3.0175	0.0065	2 38 47.1	9.004	0.397	90.1	(41) 80 82 295	2 858
1099	8.8	13 28.34	2.9730	0.0061	4 46 8.5	8.988	0.391	89.0	12 20	4 795
1100	9.0	13 38.79	2.9612	0.0060	5 19 49.8	8.975	0.390	90.9	18 290 293	5 876

[1] $a\ \frac{1}{2}$ [2] $\delta\ \frac{1}{4}$ [3] $\frac{1}{2}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1101	8.9	4h 13m 43s.83	+3s.0113	+0s.0065	−2° 56′ 25″.2	+8″.968	−0″.397	89.6	6 19 107[a] 111	3° 740
1102	9.0	14 17.22	3.0314	0.0067	1 58 38.7	8.925	0.400	90.3	(41) 105 195 208	2 863
1103	8.7	14 18.91	2.9987	0.0063	3 32 20.6	8.923	0.395	90.6	80 82 293	3 744
1104	8.8	14 28.35	3.0024	0.0064	3 21 39.3	8.910	0.396	91.1	194[a] 203 206	3 745
1105	8.7	14 44.05	3.0162	0.0065	2 42 7.6	8.890	0.398	90.0	6 19 295	2 864
1106	7.3	4 14 59.85	+2.9746	+0.0061	−4 40 43.4	+8.869	−0.393	90.3 90.5	12 18[1] 296[a2] 296	4 799
1107	9.1	15 3.62	3.0327	0.0066	1 54 48.2	8.864	0.401	90.8	6 Beob.	2 866
1108	6.7	15 13.59	3.0126	0.0064	2 52 7.4	8.851	0.398	90.6	107[a] 111 195 208	2 867
1109	8.5	15 13.81	2.9734	0.0061	4 44 0.5	8.851	0.393	90.5	20 295	4 800
1110	7.5	15 15.58	2.9892	0.0062	3 58 56.9	8.848	0.395	90.6	80 82 295	4 801
1111	9.1	4 15 24.71	+3.0262	+0.0066	−2 13 10.9	+8.836	−0.400	91.3	195 208 296	2 869
1112	9.1	15 31.18	3.0315	0.0066	1 58 5.6	8.828	0.401	91.3	194[a] 203 206 294	[2 871]
1113	9.0	15 37.65	3.0313	0.0066	1 58 41.0	8.820	0.401	90.1	95 102	2 873
1114	8.4	15 56.94	2.9720	0.0060	4 47 26.5	8.794	0.393	89.0	12 18	4 805
1115	9.0	15 57.67	3.0267	0.0066	2 11 45.4	8.793	0.400	90.6	5 Beob.	2 874
1116	7.3	4 16 2.31	+2.9896	+0.0062	−3 57 27.8	+8.787	−0.396	90.9	80 82 290 295	4 806
1117	8.5	16 8.24	2.9507	0.0059	5 47 47.3	8.779	0.391	90.5	20 293	5 883
1118	7.1	17 13.02	2.9692	0.0060	4 54 47.5	8.694	0.394	89.6	12 18 95 102	5 889
1119	7.8	17 38.92	2.9643	0.0059	5 8 23.8	8.660	0.394	90.5	20 293	5 891
1120	8.3	17 40.28	3.0205	0.0064	2 28 43.2	8.659	0.401	90.2	6 19 296[a2] 296	2 883
1121	8.5	4 17 42.18	+3.0272	+0.0065	−2 9 36.1	+8.656	−0.402	90.2	(41) 107[a] 111 290	2 884
1122	9.0	18 3.06	2.9860	0.0061	4 6 37.9	8.629	0.397	90.5	80 105 195 208	4 813
1123	9.0	18 7.96	2.9884	0.0061	3 59 48.3	8.622	0.397	91.1	194[a] 203 206	4 814
1124	7.5	18 18.37	2.9620	0.0059	5 14 20.2	8.608	0.394	91.1	18 295 296[a2] 296	5 895
1125	8.6	18 25.34	2.9939	0.0062	3 43 56.7	8.599	0.398	91.8	290 295	3 759
1126	8.9	4 18 26.35	+3.0344	+0.0065	−1 49 4.8	+8.598	−0.403	91.0	195 208	1 632
1127	8.8	18 28.57	3.0154	0.0064	2 43 9.3	8.595	0.401	91.1	194[a] 203 206	2 887
1128	9.4	18 29.89	3.0357	0.0066	1 45 13.0	8.593	0.404	91.8	290 294 295	[1 633]
1129	8.0	18 39.29	2.9807	0.0060	4 21 13.7	8.581	0.396	91.0	195 208	4 817
1130	**5.3**	**18 42.04**	**2.9887**	**0.0061**	**3 58 35.7**	**8.577**	**0.398**		**Fund. Kat.**	**4 818**
1131	9.0	4 18 47.79	+3.0056	+0.0063	−3 10 40.1	+8.570	−0.400	89.4	6 19 107[a]	3 762
1132	8.9	19 3.96	2.9829	0.0061	4 14 56.8	8.548	0.397	91.9	290 296[a2] 296	4 819
1133	9.0	19 14.92	2.9787	0.0060	4 26 37.7	8.534	0.397	91.8	294 295	4 821
1134	9.0	19 20.14	3.0143	0.0063	2 45 50.8	8.527	0.401	91.1	194[a] 203 206	2 891
1135	8.8	19 26.66	2.9509	0.0058	5 44 51.3	8.518	0.393	91.0	195 208	5 901
1136	9.1	4 19 29.61	+2.9517	+0.0058	−5 42 32.8	+8.515	−0.393	91.8	290 294 296	5 902
1137	8.3	19 39.63	2.9646	0.0059	5 6 13.0	8.501	0.395	90.0	80 82 105	5 903
1138	8.2	19 49.50	2.9471	0.0057	5 55 11.5	8.488	0.393	91.1	194[a] 203 206	6 898
1139	8.8	19 54.67	3.0111	0.0063	2 54 35.4	8.481	0.401	89.0	6 19	3 770
1140	7.5	20 22.78	2.9478	0.0057	5 52 54.6	8.444	0.393	91.1	194[a] 203 206	5 906
1141	8.0	4 20 27.02	+2.9880	+0.0061	−3 59 52.5	+8.439	−0.399	91.8	290 295	4 827
1142	8.8	20 28.58	2.9619	0.0058	5 13 14.1	8.437	0.395	89.0	2[2] 18	5 907
1143	7.3	20 39.10	3.0206	0.0064	2 27 39.3	8.423	0.403	90.2	(41) 107[a] 111 294	2 899
1144	7.8	20 39.48	2.9598	0.0058	5 19 7.8	8.422	0.395	90.6	80 82 296	5 909
1145	8.8	20 41.25	2.9565	0.0058	5 28 13.8	8.420	0.395	91.8	294 295	5 910
1146	8.0	4 20 44.64	+2.9675	+0.0059	−4 57 19.8	+8.415	−0.396	89.0	12 20	5 911
1147	7.3	20 47.56	2.9584	0.0058	5 22 51.7	8.411	0.395	91.0	195 208	5 912
1148	8.0	21 39.84	2.9879	0.0060	3 59 35.7	8.342	0.400	91.0 91.2	105[1] 290	4 831
1149	8.5	21 45.81	3.0313	0.0064	1 57 5.6	8.334	0.406	89.0	6 19	2 903
1150	8.0	21 48.91	2.9630	0.0058	5 9 28.4	8.330	0.397	89.0	2 18	5 917

[1] δ ½ [2] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1151	8.8	4h 21m 52s.49	+3s.0064	+0s.0062	−3° 7′ 24″.3	+8″.325	−0″.402	90.3	5 Beob.	3° 775
1152	8.5	21 53.09	3.0220	0.0063	2 23 16.7	8.325	0.404	04.0	2 Beob.	2 904
1153	8.8	21 54.02	3.0078	0.0062	3 3 25.5	8.323	0.403	90.5	12 194[a] 203 206	3 777
1154	8.6	21 59.45	3.0015	0.0061	3 20 56.4	8.316	0.402	90.5	80 82 195 208	3 778
1155	8.3	22 6.15	3.0001	0.0061	3 24 51.2	8.307	0.402	91.8	290 295	3 780
1156	9.0	4 22 9.06	+2.9634	+0.0058	−5 8 3.0	+8.303	−0.397	90.4	18 113 296	5 920
1157	9.4	22 12.86	3.0342	0.0064	1 48 53.4	8.298	0.406	91.9	294 296	[1 645]
1158	8.6	22 22.02	3.0251	0.0063	2 14 27.6	8.286	0.405	90.7	107[a] 111 294	2 905
1159	9.0	22 29.08	2.9741	0.0059	4 37 48.1	8.277	0.399	91.0	195 208	4 839
1160	9.0	23 11.83	2.9894	0.0060	3 54 36.4	8.220	0.401	89.0	6 12 19 20	4 843
1161	9.0	4 23 16.39	+2.9537	+0.0057	−5 34 34.5	+8.214	−0.396	91.3	113 294 296	5 925
1162	8.5	23 16.49	2.9733	0.0059	4 39 42.0	8.214	0.399	90.0	80 82 105	4 844
1163	8.9	23 57.95	2.9694	0.0058	4 50 6.4	8.159	0.399	90.7	107[a] 111 290	4 846
1164	9.1	24 13.03	3.0175	0.0062	2 35 9.4	8.139	0.406	89.0	6 19	2 914
1165	8.5	24 24.16	2.9465	0.0056	5 53 42.9	8.124	0.396	89.5	2 113	5 928
1166	7.9	4 24 24.23	+3.0165	+0.0062	−2 37 54.1	+8.124	−0.406	89.9	(41) 19 295	2 915
1167	8.8	24 24.97	2.9501	0.0056	5 43 52.5	8.123	0.397	90.6	80 82 296	5 929
1168	8.0	24 25.98	2.9781	0.0059	4 25 35.1	8.121	0.400	89.0	12 20	4 850
1169	9.0	24 42.98	2.9916	0.0060	3 47 49.8	8.099	0.403	91.2	105 290 294	3 794
1170	8.0	24 46.45	2.9697	0.0058	4 48 59.0	8.094	0.400	91.1	194[a] 203 206	4 851
1171	8.8	4 24 48.61	+2.9830	+0.0059	−4 11 48.0	+8.091	−0.401	91.0	195 208	4 852
1172	8.5	24 58.57	3.0181	0.0062	2 33 30.0	8.078	0.406	90.9	(41) 290 296	2 920
1173	8.9	25 0.24	3.0026	0.0061	3 16 40.6	8.076	0.404	91.1	194[a] 203 206	3 795
1174	8.3	25 31.93	3.0204	0.0062	2 26 51.7	8.033	0.407	89.0	(41) 6 19	2 923
1175	9.1	25 47.97	3.0045	0.0060	3 11 15.5	8.012	0.405	89.0	12 20	3 800
1176	9.1	4 25 49.57	+2.9613	+0.0057	−5 11 39.1	+8.010	−0.399	91.0	105 294	5 938
1177	7.8	26 5.66	2.9616	0.0057	5 10 38.5	7.988	0.400	89.6	2 18 105 113	5 941
1178	7.5	26 16.85	2.9638	0.0057	5 4 25.5	7.973	0.400	90.6	80 82 296	5 942
1179	9.1	26 46.40	2.9697	0.0057	4 47 54.9	7.934	0.401	89.0	12 20	4 859
1180	8.9	26 55.90	3.0269	0.0062	2 8 14.8	7.921	0.409	91.8	290 295	2 929
1181	7.4	4 27 1.69	+2.9740	+0.0058	−4 35 45.0	+7.913	−0.402	91.8	290 295	4 861
1182	8.7	27 2.91	3.0257	0.0062	2 11 24.6	7.912	0.409	91.8	290 295	2 930
1183	8.3	27 8.26	3.0358	0.0063	1 43 17.3	7.904	0.410	91.9	294 302	1 663
1184	8.9	27 14.37	2.9817	0.0058	4 14 7.8	7.896	0.403	91.9	294 302	4 862
1185	8.0	27 25.33	2.9597	0.0056	5 15 4.8	7.881	0.400	91.8	290 295	5 948
1186	5.6	4 27 37.25	+2.9992	+0.0059	−3 25 19.3	+7.865	−0.406	91.1	194[a] 203 206	3 809
1187	9.0	27 57.78	2.9448	0.0055	5 56 14.4	7.838	0.399	89.4	12 20 105	6 929
1188	8.7	28 18.84	3.0037	0.0060	3 12 38.5	7.810	0.407	91.8	290 295	3 811
1189	8.9	28 21.50	2.9972	0.0059	3 30 39.2	7.806	0.406	91.9	294 296	3 812
1190	8.8	28 35.87	2.9806	0.0058	4 16 32.0	7.787	0.404	91.7	4 Beob.	4 864
1191	7.7	4 28 35.95	+3.0288	+0.0062	−2 2 33.0	+7.787	−0.410	91.0	195 208	2 938
1192	8.0	28 36.53	2.9825	0.0058	4 11 26.0	7.786	0.404	91.9	294 302	4 865
1193	8.9	28 41.48	3.0154	0.0060	2 39 47.6	7.779	0.409	89.0	6 19	2 939
1194	9.0	28 47.02	2.9802	0.0058	4 17 34.1	7.772	0.404	96.3	3 Beob.	4 866
1195	7.0	28 48.84	2.9537	0.0056	5 31 3.5	7.769	0.400	91.0	113 302	5 953
1196	9.0	4 28 57.89	+3.0021	+0.0059	−3 16 38.8	+7.757	−0.407	89.0	12 20	3 818
1197	9.0	29 14.33	2.9583	0.0056	5 17 56.5	7.735	0.401	91.0	194[a] 203[1] 206	5 955
1198	8.3	29 14.44	2.9699	0.0057	4 46 1.8	7.735	0.403	91.0	114 295	4 867
1199	9.0	29 23.57	2.9654	0.0056	4 58 23.3	7.723	0.402	91.5	208 290	5 956
1200	8.1	29 32.54	3.0234	0.0061	2 17 27.5	7.711	0.410	90.5	24 296	2 942

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1201	8.0	4h 29m 33s.47	+2s.9573	+0s.0056	−5° 20′ 42″.9	+7″.709	−0″.401	91.0	113 302	5° 957
1202	8.5	29 46.39	3.0280	0.0061	2 4 21.4	7.692	0.411	89.0	6 19	2 944
1203	8.9	29 51.37	2.9506	0.0055	5 38 57.0	7.685	0.401	91.3	194ª 203 206 294	5 959
1204	9.0	29 52.64	3.0104	0.0060	2 53 25.0	7.684	0.409	91.9	290 302	2 945
1205	8.3	30 2.03	2.9959	0.0058	3 33 37.9	7.671	0.407	89.4	12 20 114	3 824
1206	8.8	4 30 12.26	+2.9638	+0.0056	−5 2 23.6	+7.657	−0.403	91.0	195 208	5 962
1207	8.0	30 24.75	2.9659	0.0056	4 56 27.8	7.640	0.403	91.0	194ª 206	5 963
1208	8.3	30 28.62	2.9681	0.0056	4 50 7.9	7.635	0.403	91.0	113 296	4 875
1209	9.0	30 29.56	3.0002	0.0059	3 21 26.3	7.634	0.408	90.7	107ª 111 294	3 827
1210	8.0	30 59.72	3.0201	0.0060	2 26 7.0	7.593	0.411	89.0	6 19 24	2 952
1211	6.2	4 31 2.35	+2.9902	+0.0058	−3 49 0.4	+7.590	−0.407	91.0	195 208	3 830
1212	8.3	31 15.80	2.9918	0.0058	3 44 26.0	7.571	0.407	91.0	114 296	3 832
1213	**3.3**	**31 19.27**	**2.9958**	**0.0058**	**3 33 24.8**	**7.567**	**0.408**		**Fund. Kat.**	3 834
1214	8.2	31 25.36	2.9737	0.0056	4 34 16.7	7.558	0.405	91.0	113 302	4 879
1215	8.7	32 29.89	3.0134	0.0059	2 44 16.0	7.471	0.411	89.5	5 Beob.	2 961
1216	5.1	4 32 34.14	+3.0148	+0.0059	−2 40 23.8	+7.465	−0.411	89.4	6 19 114	2 963
1217	7.2	32 41.50	3.0110	0.0059	2 50 49.7	7.455	0.411	91.3	194ª 206 294	2 964
1218	8.8	32 43.21	2.9486	0.0054	5 42 48.6	7.453	0.402	91.0	113 296	5 975
1219	9.2	32 46.36	3.0063	0.0058	3 3 42.4	7.449	0.410	91.3	194ª 203 206 302	[3 841]
1220	8.8	32 47.05	2.9770	0.0056	4 24 32.6	7.448	0.406	91.0	195 208	4 885
1221	8.7	4 32 47.65	+3.0098	+0.0059	−2 54 9.8	+7.447	−0.411	91.8	290 296	2 966
1222	8.3	33 32.32	2.9778	0.0056	4 22 7.1	7.387	0.407	91.0	195 208	4 889
1223	8.2	33 32.65	2.9510	0.0054	5 35 41.7	7.386	0.403	91.0	113 296	5 978
1224	8.9	34 5.49	2.9426	0.0053	5 58 18.6	7.342	0.403	91.0	195 208	6 954
1225	7.8	34 9.28	2.9638	0.0055	5 0 19.2	7.337	0.405	89.4	12 20 114	5 981
1226	8.5	4 34 12.75	+2.9661	+0.0055	−4 53 44.5	+7.332	−0.406	90.7	107ª 111 290	4 895
1227	9.0	34 29.49	2.9603	0.0054	5 9 36.8	7.309	0.405	90.6	24 194ª 203 206	5 982
1228	9.0	34 30.92	2.9610	0.0054	5 7 46.2	7.307	0.405	90.6	24 194ª 203 206	5 983
1229	8.5	34 33.35	2.9619	0.0055	5 5 14.8	7.304	0.405	90.4	24 195 208	5 984
1230	8.5	34 44.16	2.9948	0.0057	3 34 42.2	7.289	0.410	89.0	6 19	3 855
1231	8.7	4 34 54.16	+2.9791	+0.0056	−4 17 51.4	+7.276	−0.408	90.1	105 113	4 898
1232	8.0	35 54.37	3.0260	0.0059	2 8 37.1	7.194	0.414	89.5	5 Beob.	2 982
1233	8.9	35 55.29	3.0098	0.0058	2 53 6.9	7.192	0.413	91.3	105 290 296	2 983
1234	7.3	35 57.04	2.9918	0.0056	3 42 41.3	7.190	0.410	89.4	12 20 114	3 857
1235	9.0	36 29.32	3.0312	0.0059	1 54 6.3	7.146	0.416	91.1	194ª 203 206	1 699
1236	9.0	4 36 34.94	+3.0150	+0.0058	−2 38 36.2	+7.138	−0.414	91.4	105 290 294 296	2 985
1237	8.5	36 41.79	3.0220	0.0058	2 19 35.0	7.129	0.415	91.1	194ª 203 206	2 988
1238	9.0	36 54.52	2.9837	0.0055	4 4 20.5	7.112	0.410	91.3	113 294 295	4 913
1239	8.5	37 5.13	3.0322	0.0059	1 51 21.5	7.097	0.417	89.3	6 19 24 114	1 700
1240	8.8	37 15.79	2.9930	0.0056	3 38 42.5	7.083	0.411	90.7 90.8	107ª[1] 111 290	3 862
1241	6.8	4 37 45.97	+2.9423	+0.0052	−5 56 48.1	+7.042	−0.405	91.0	113 295	6 969
1242	8.8	37 54.27	3.0103	0.0057	2 51 10.2	7.030	0.414	89.6	24 114	2 992
1243	8.4	37 54.76	2.9958	0.0056	3 30 53.1	7.030	0.412	91.3	194ª 203 206 295	3 864
1244	8.0	37 55.56	2.9784	0.0055	4 18 33.1	7.028	0.410	91.0	195 208	4 922
1245	9.0	38 3.95	2.9658	0.0054	4 52 44.5	7.017	0.408	91.4	105 290 294 296	4 923
1246	8.8	4 38 16.43	+2.9644	+0.0054	−4 56 26.2	+7.000	−0.408	91.0	111 290	5 1007
1247	8.6	38 24.31	2.9425	0.0052	5 55 57.9	6.989	0.405	91.0	113 295	6 971
1248	8.8	38 48.23	2.9561	0.0053	5 18 52.0	6.956	0.407	91.0	114 296	5 1011
1249	9.0	38 49.64	3.0117	0.0057	2 47 7.6	6.955	0.415	89.0	6 19 24	2 998
1250	8.4	38 52.50	2.9743	0.0054	4 29 12.7	6.951	0.410	89.0	12 20	4 928

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1251	8.0	$4^h\ 39^m\ 6^s.35$	$+2^s.9992$	$+0^s.0056$	−3° 21′ 12″.4	+6″.932	−0″.413	91.1	194^a 203 206	3° 869
1252	9.0	39 10.31	3.0239	0.0057	2 13 44.8	6.926	0.417	91.3	195 208 294	2 1000
1253	9.1	39 26.26	2.9539	0.0053	5 24 31.3	6.904	0.407	91.7	4 Beob.	[5 1015]
1254	8.4	39 37.69	2.9797	0.0054	4 14 8.0	6.889	0.411	91.1	194^a 203 206	4 931
1255	9.0	39 58.49	2.9425	0.0052	5 55 5.2	6.860	0.406	89.0	12 20	6 982
1256	(9.0)[1]	4 40 8.14	+3.0022	+0.0056	−3 12 37.6	+6.847	−0.414	97.6	2 Beob.	3 874
1257	8.6	40 11.94	3.0011	0.0055	3 15 51.4	6.842	0.414	91.8	290 295	3 875
1258	8.7	40 18.65	3.0100	0.0056	2 51 27.6	6.833	0.416	91.0	195 208	2 1004
1259	**3.6**	**40 30.08**	**2.9972**	**0.0055**	**3 26 16.5**	**6.817**	**0.414**		**Fund. Kat.**	**3 876**
1260	8.9	40 37.54	2.9465	0.0052	5 44 1.6	6.807	0.407	91.8	290 295 296	5 1022
1261	9.1	4 40 42.70	+2.9459	+0.0051	−5 45 22.9	+6.800	−0.407	97.9	2 Beob.	5 1023
1262	9.0	40 45.51	3.0044	0.0055	3 6 31.9	6.796	0.415	91.1	194^a 203 206	3 879
1263	8.0	40 49.05	3.0048	0.0055	3 5 30.3	6.791	0.415	91.1	194^a 203 206	3 881
1264	8.2	41 3.46	2.9788	0.0054	4 16 0.9	6.771	0.412	89.0	12 20	4 935
1265	8.6	41 16.02	2.9873	0.0054	3 52 57.6	6.754	0.413	90.0	195 208	3 883
1266	7.2	4 41 23.43	+3.0038	+0.0055	−3 8 4.0	+6.744	−0.415	91.1	194^a 203 206	3 884
1267	9.0	41 25.50	3.0232	0.0057	2 15 6.2	6.741	0.418	91.8	290 296	2 1009
1268	9.0	41 28.12	2.9527	0.0052	5 26 39.1	6.737	0.408	91.9	294 296	5 1028
1269	8.3	41 41.48	2.9701	0.0053	4 39 24.0	6.719	0.411	91.8	290 295	4 940
1270	8.8	41 41.79	2.9672	0.0053	4 47 15.5	6.719	0.411	91.1	212 213	4 939
1271	9.0	4 41 48.65	+2.9573	+0.0052	−5 14 13.3	+6.709	−0.409	91.0	195 208	5 1032
1272	9.0	41 50.84	2.9882	0.0054	3 50 16.6	6.706	0.414	89.0	12 20	3 886
1273	9.3	42 31.05	2.9527	0.0051	5 26 16.0	6.651	0.409	90.7	105 195 208	[5 1037]
1274	9.0	42 43.30	3.0120	0.0055	2 45 22.8	6.634	0.417	89.4	7 24 111	2 1016
1275	9.0	43 8.50	3.0038	0.0054	3 7 37.7	6.599	0.416	94.0	3 Beob.	3 892
1276	8.6	4 43 20.48	+3.0277	+0.0056	−2 2 35.7	+6.583	−0.420	91.1	212 213	2 1021
1277	8.7	43 39.33	2.9956	0.0054	3 29 28.9	6.557	0.416	91.1	194^a 203 206	3 897
1278	6.3	43 39.59	2.9434	0.0050	5 50 34.5	6.556	0.408	91.3	113 295 296	5 1044
1279	8.7	43 43.43	3.0107	0.0055	2 48 43.7	6.551	0.418	89.4	7 24 114	2 1025
1280	8.7	43 57.13	2.9393	0.0050	6 1 27.1	6.532	0.408	91.1	194^a 203 206	6 994
1281	7.5	4 44 17.51	+2.9585	+0.0051	−5 9 40.7	+6.504	−0.411	89.4	12 20 105	5 1046
1282	8.2	44 23.53	2.9852	0.0053	3 57 24.9	6.496	0.415	91.0	111 290	4 949
1283	9.0	44 24.27	2.9498	0.0051	5 32 57.7	6.495	0.410	91.5	213 290	5 1047
1284	8.2	44 53.29	3.0141	0.0055	2 39 2.3	6.455	0.419	90.0	7 24 114 296	2 1032
1285	8.5	45 14.80	2.9534	0.0051	5 23 3.5	6.425	0.411	90.3	12 105 294	5 1050
1286	9.2	4 45 15.44	+2.9516	+0.0050	−5 27 41.5	+6.424	−0.411	91.0	113 295	5 1051
1287	7.3	45 29.27	2.9833	0.0052	4 2 13.5	6.405	0.415	91.0	195 208	4 954
1288	8.5	45 31.45	3.0041	0.0054	3 5 53.9	6.402	0.418	91.1	212 213	3 903
1289	8.4	45 39.83	2.9776	0.0052	4 17 35.3	6.391	0.414	90.7	107^a 111 294	4 955
1290	8.8	46 7.75	2.9440	0.0050	5 47 45.3	6.352	0.410	90.1	105 113	5 1059
1291	8.3	4 46 29.33	+2.9993	+0.0053	−3 18 47.7	+6.322	−0.418	89.4	12 20 114	3 908
1292	7.3	46 31.66	2.9878	0.0052	3 49 46.0	6.319	0.416	91.1	212 213	3 909
1293	8.5	46 36.65	3.0036	0.0053	3 7 9.4	6.312	0.418	89.0	7 24	3 911
1294	8.2	46 46.44	2.9495	0.0050	5 32 41.2	6.298	0.411	91.0	113 295	5 1062
1295	8.9	47 3.78	2.9511	0.0050	5 28 16.9	6.274	0.411	90.8	12 113 296 299	5 1063
1296	8.9	4 47 4.09	+2.9868	+0.0052	−3 52 12.6	+6.274	−0.416	91.4	212 213 294	3 914
1297	8.6	47 16.30	3.0110	0.0053	2 46 53.4	6.257	0.420	91.1	212 213	2 1049
1298	8.0	47 22.25	2.9986	0.0053	3 20 25.4	6.249	0.418	91.0	114 295	3 917
1299	8.9	47 22.47	2.9627	0.0050	4 57 2.4	6.248	0.413	91.0	107^a 111 290 297	5 1065
1300	8.0	47 50.89	2.9514	0.0050	5 27 11.2	6.209	0.412	96.6	2 Beob.	5 1067

[1] Dupl. austr.; Com. $24^s\ 9^m$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1301	4.3	4h 47m 58s.84	+2s.9476	+0s.0049	—5° 37′ 11″.8	+6″.198	—0″.411	91.1	203 206	5° 1068
1302	9.0	48 13.98	3.0299	0.0054	1 55 36.4	6.177	0.423	90.0	7 24 114 297	2 1052
1303	8.3	48 16.80	3.0112	0.0053	2 46 2.8	6.173	0.420	91.1	212 213	2 1053
1304	8.4	48 25.19	2.9842	0.0051	3 58 52.9	6.161	0.417	90.7	107[2] 111 294	4 966
1305	8.7	48 29.36	3.0297	0.0054	1 56 14.3	6.156	0.423	89.0	7 24	2 1054
1306	8.3	4 49 8.72	+3.0307	+0.0054	—1 53 21.3	+6.101	—0.424	91.1	212 213	1 749
1307	8.8	49 23.21	2.9866	0.0051	3 51 55.8	6.081	0.418	91.0	111 294	3 927
1308	9.0	49 25.01	3.0264	0.0054	2 4 50.5	6.078	0.423	91.0	195 208	2 1060
1309	6.6	49 27.85	2.9973	0.0052	3 23 19.0	6.075	0.419	91.1	203 206	3 928
1310	7.8	49 32.16	2.9482	0.0049	5 35 0.4	6.068	0.412	91.8	294 295	5 1079
1311	8.3	4 49 32.33	+3.0292	+0.0054	—1 57 27.8	+6.068	—0.424	91.0	195 208	2 1061
1312	9.0	49 41.30	3.0046	0.0052	3 3 27.0	6.056	0.420	91.0	114 295	3 930
1313	9.0	49 57.56	2.9557	0.0049	5 14 43.7	6.033	0.414	91.1	203 206	5 1081
1314	8.8	50 3.28	3.0112	0.0052	2 45 47.8	6.025	0.421	91.1	212 213	2 1063
1315	9.0	50 17.74	2.9830	0.0051	4 1 21.8	6.005	0.418	91.0	195 208	4 973
1316	9.0	4 50 18.85	+2.9723	+0.0050	—4 30 3.6	+6.004	—0.416	91.8	294 295	4 974
1317	9.4[1]	50 21.62	2.9611	0.0049	5 0 9.9	6.000	0.415	91.9	294 296	[5 1082]
1318	9.0	50 28.18	2.9545	0.0049	5 17 37.4	5.991	0.414	91.1	203 206	5 1086
1319	8.3	50 43.55	3.0170	0.0052	2 29 53.8	5.969	0.423	92.2	4 Beob.	2 1069
1320	8.8	50 57.17	3.0316	0.0053	1 50 33.7	5.950	0.425	89.7	5 Beob.	1 758
1321	8.0	4 51 5.75	+2.9820	+0.0050	—4 3 46.7	+5.938	—0.418	91.8	4 Beob.	4 978
1322	8.2	51 9.73	2.9502	0.0049	5 28 55.0	5.933	0.414	91.8	294 295	5 1088
1323	9.1	51 11.64	2.9560	0.0049	5 13 20.3	5.930	0.414	89.6	13 73 81	[5 1090]
1324	8.5	51 16.05	3.0275	0.0053	2 1 42.6	5.924	0.424	91.1	212 213	2 1070
1325	5.3	51 28.64	2.9535	0.0049	5 19 46.6	5.906	0.414	91.3	195 208 302	5 1091
1326	8.9	4 51 31.78	+2.9555	+0.0049	—5 14 25.9	+5.902	—0.414	89.4	13 73	5 1092
1327	9.0	51 33.06	2.9536	0.0048	5 19 29.3	5.900	0.414	91.1	203 206	5 1093
1328	9.0	51 40.67	2.9995	0.0051	3 16 52.1	5.890	0.421	91.3 91.4	93 296 297 299[2]	3 944
1329	8.2	51 48.38	2.9623	0.0049	4 56 19.0	5.879	0.416	91.1	212 213	5 1095
1330	9.0	51 49.83	2.9672	0.0049	4 43 17.9	5.877	0.416	91.4	203 206 303	4 982
1331	9.1	4 52 24.43	+2.9404	+0.0047	—5 54 24.9	+5.829	—0.413	89.5	13 81	[5 1099]
1332	9.0	52 43.87	2.9404	0.0047	5 54 13.9	5.801	0.413	90.0	73 113	5 1102
1333	8.0	52 51.58	2.9650	0.0049	4 48 34.0	5.791	0.416	91.0	111 294	4 987
1334	8.9	53 0.68	2.9488	0.0048	5 31 45.1	5.778	0.414	91.1	203 206	5 1105
1335	8.9	53 6.83	2.9622	0.0048	4 55 54.1	5.769	0.416	91.4	212 213 303	5 1106
1336	6.3	4 53 8.68	+3.0198	+0.0052	—2 22 3.0	+5.767	—0.424	90.1	6 Beob.	2 1080
1337	9.0	53 16.52	2.9515	0.0048	5 24 21.5	5.756	0.415	91.4	203 206 302	5 1109
1338	7.3	53 27.01	2.9857	0.0050	3 53 15.2	5.741	0.420	91.0	195 208	3 953
1339	8.4	53 33.74	2.9701	0.0049	4 34 42.2	5.732	0.417	91.1	212 213	4 988
1340	8.2	53 39.92	2.9671	0.0049	4 42 42.9	5.723	0.417	91.3	113 295 296	4 990
1341	9.0	4 53 53.35	+2.9842	+0.0049	—3 57 11.7	+5.704	—0.420	90.7	13 81 294 302	4 992
1342	7.8	54 3.57	3.0215	0.0051	2 17 21.1	5.690	0.425	89.7	5 Beob.	2 1083
1343	8.5	54 20.60	2.9662	0.0048	4 44 49.5	5.666	0.417	91.0	111 294	4 995
1344	8.8	54 26.66	3.0230	0.0051	2 13 4.2	5.658	0.425	90.1	93 116	2 1088
1345	8.1	54 27.22	2.9753	0.0049	4 20 32.1	5.657	0.419	91.1	203 206	4 996
1346	9.0	4 54 29.73	+2.9395	+0.0047	—5 55 47.1	+5.653	—0.414	91.0	195 208	6 1044
1347	9.1	54 48.96	2.9885	0.0049	3 45 17.6	5.627	0.421	91.9	294 296	3 964
1348	8.7	54 49.92	2.9715	0.0048	4 30 44.4	5.625	0.418	91.0	113 296	4 998
1349	8.7	54 55.41	2.9536	0.0047	5 18 16.3	5.618	0.416	89.6 89.5	13 73 81[2]	5 1114
1350	8.7	55 1.32	3.0072	0.0050	2 55 19.4	5.609	0.423	91.1	212 213	2 1092

[1] Dupl. (Z. 296) [2] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1351	8.3	4^h 55^m $13^s.49$	+$3^s.0259$	+$0^s.0051$	—2° 5' 17".9	+5".592	—0".426	89.0	7 24	2° 1094
1352	9.1	55 15.51	2.9859	0.0049	3 52 0.1	5.589	0.421	91.0	195 208	3 966
1353	9.0	55 20.74	2.9524	0.0047	5 21 19.8	5.582	0.416	96.3	3 Beob.	5 1118
1354	9.0	55 25.51	2.9557	0.0047	5 12 21.3	5.575	0.416	91.1	203 206	5 1119
1355	6.5	55 37.40	3.0231	0.0051	2 12 52.2	5.559	0.426	90.1	93 114 116	2 1095
1356	6.3	4 55 50.74	+2.9407	+0.0046	—5 52 5.3	+5.540	—0.414	91.0	113 296	5 1123
1357	9.2	55 52.43	3.0151	0.0050	2 33 56.2	5.538	0.425	91.0	195 208	2 1098
1358	9.0	55 52.53	2.9960	0.0049	3 24 57.4	5.538	0.422	91.0	111 294	3 973
1359	8.8	55 53.26	2.9694	0.0048	4 35 44.6	5.537	0.419	92.0	297 302	4 1002
1360	8.8	56 4.88	2.9363	0.0046	6 3 39.6	5.520	0.414	89.6	13 73 81	6 1058
1361	9.0	4 56 30.69	+2.9412	+0.0046	—5 50 31.6	+5.484	—0.415	91.1	212 213	5 1124
1362	8.5	56 33.80	2.9521	0.0047	5 21 26.4	5.480	0.416	91.0	113 295	5 1125
1363	9.1	56 34.08	2.9448	0.0046	5 40 43.4	5.479	0.415	91.4	212 213 303	5 1126
1364	8.9	56 35.51	2.9830	0.0048	3 59 29.5	5.477	0.421	91.1	203 206	4 1009
1365	8.0	56 37.51	3.0083	0.0049	2 51 59.4	5.474	0.424	90.1	93 114 116	2 1104
1366	9.0	4 57 2.36	+3.0038	+0.0049	—3 4 0.0	+5.440	—0.424	91.3	111 294 297	3 980
1367	7.2	57 6.14	2.9455	0.0046	5 38 43.3	5.434	0.416	89.6	13 73 81	5 1130
1368	8.8	57 11.90	3.0308	0.0050	1 51 50.2	5.426	0.428	94.1	3 Beob.	1 779
1369	9.0	57 27.70	2.9470	0.0046	5 34 47.1	5.404	0.416	91.1	203 206	5 1132
1370	9.4	57 46.81	3.0294	0.0050	1 55 33.0	5.377	0.428	91.3	195 208 297	[2 1106]
1371	6.0	4 57 47.38	+2.9747	+0.0047	—4 21 14.0	+5.376	—0.420	91.0	111 294	4 1019
1372	8.8	57 49.70	2.9408	0.0046	5 50 59.1	5.373	0.415	91.0	113 295	5 1135
1373	9.5	57 50.26	3.0324	0.0050	1 47 41.3	5.372	0.428	91.0	195 208	[1 784]
1374	9.3	57 54.41	3.0295	0.0050	1 55 17.8	5.367	0.428	90.4 90.0	5 Beob.	[1 785]
1375	9.5	58 10.19	3.0326	0.0050	1 46 56.1	5.344	0.429	91.5	212 295	[1 786]
1376	8.3	4 58 21.25	+3.0024	+0.0048	—3 7 28.4	+5.329	—0.424	89.6	13 73 81	3 985
1377	9.0	58 34.21	3.0024	0.0048	3 7 14.9	5.311	0.425	90.4	13 294	3 987
1378	9.0	58 39.10	3.0126	0.0049	2 40 12.6	5.304	0.426	91.4	203 206 301	2 1110
1379	7.0	58 41.16	3.0123	0.0049	2 40 53.5	5.301	0.426	90.7	93 116 301	2 1111
1380	8.7	58 42.78	2.9534	0.0046	5 17 12.5	5.299	0.418	91.0	113 296	5 1138
1381	8.5	4 58 45.53	+2.9747	+0.0047	—4 20 48.4	+5.295	—0.421	91.1	212 213	4 1025
1382	9.0	59 0.27	2.9908	0.0048	3 38 10.1	5.274	0.423	91.5	203 206 294 302	3 992
1383	(8.7)[1]	59 0.49	3.0052	0.0048	2 59 55.8	5.274	0.425	91.0	114 295	3 991
1384	8.4	59 6.72	2.9373	0.0045	5 59 28.1	5.265	0.416	91.0	195 208	6 1073
1385	8.5	59 17.62	2.9928	0.0048	3 32 40.2	5.250	0.423	90.0	73 81 111	3 993
1386	8.8	4 59 20.05	+3.0092	+0.0048	—2 49 5.5	+5.246	—0.426	89.0	7 24	2 1117
1387	6.0	59 54.21	3.0010	0.0048	3 10 42.1	5.198	0.425	91.0	195 208	3 998
1388	8.9	59 59.43	2.9812	0.0047	4 3 11.0	5.191	0.422	91.4	212 213 303	4 1032
1389	8.5	5 0 7.41	2.9868	0.0047	3 48 27.8	5.179	0.423	91.0	114 295	3 999
1390	9.0	0 11.11	2.9639	0.0046	4 49 5.0	5.174	0.420	91.6	5 Beob.	4 1035
1391	9.0	5 0 21.16	+2.9910	+0.0047	—3 37 3.6	+5.160	—0.424	89.9	73 81	3 1001
1392	9.0	0 35.63	3.0110	0.0048	2 44 6.0	5.140	0.427	89.6	7 24 93 116	2 1127
1393	9.1	0 38.50	2.9933	0.0047	3 31 0.9	5.136	0.424	91.2	5 Beob.	3 1002
1394	8.7	0 46.03	2.9995	0.0047	3 14 29.9	5.125	0.425	91.0	195 208	3 1003
1395	8.9	0 49.60	2.9345	0.0044	6 6 7.6	5.120	0.416	91.8	294 295	6 1084
1396	8.6	5 0 49.82	+3.0289	+0.0049	—1 56 35.6	+5.120	—0.429	91.9	6 Beob.	2 1130
1397	8.0	1 13.78	2.9909	0.0047	3 37 12.1	5.086	0.424	90.4	13 114 296	3 1010
1398	9.0	1 24.10	2.9426	0.0044	5 44 48.0	5.071	0.417	91.0	113 296	5 1151
1399	8.7	1 28.05	2.9932	0.0047	3 31 7.3	5.066	0.424	89.9	73 81	3 1011
1400	9.0	1 35.97	2.9361	0.0044	6 1 44.5	5.055	0.416	91.8	294 295	6 1087

[1] Dupl. praec. maj.; Com. 5" 9^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1401	8.3	5h 1m 46s.39	+2s.9679	+0s.0045	−4° 37′ 45″.7	+5s.040	−0″.421	92.0	296 297 307[a]	4° 1042
1402	8.9	1 47.01	2.9736	0.0046	4 22 51.8	5.039	0.422	91.1	203 206	4 1043
1403	5.0	1 48.97	2.9643	0.0045	4 47 20.6	5.036	0.421	92.0	299 302 307[a]	4 1044
1404	8.0	1 59.53	2.9527	0.0044	5 17 54.3	5.021	0.419	91.9	294 303	5 1156
1405	9.0	2 12.55	2.9994	0.0047	3 14 31.4	5.003	0.426	91.0	195 208	3 1015
1406	8.5	5 2 12.62	+2.9906	+0.0046	−3 37 44.7	+5.003	−0.424	92.0	295 297 307[a]	3 1014
1407	8.8	2 13.10	3.0194	0.0048	2 21 37.6	5.002	0.429	89.0	7 24	2 1136
1408	8.5	2 26.98	2.9742	0.0045	4 20 57.0	4.983	0.422	91.1	203 206	4 1049
1409	9.0	2 29.79	2.9948	0.0046	3 26 37.6	4.979	0.425	92.0	296 299 301	3 1017
1410	9.0	2 48.17	2.9453	0.0044	5 37 5.9	4.953	0.418	91.9	294 302	5 1161
1411	9.0	5 2 54.50	+3.0036	+0.0047	−3 3 12.0	+4.944	−0.427	91.3	195 208 303	3 1020
1412	**3.0**	**2 55.96**	**2.9545**	**0.0044**	**5 12 56.3**	**4.942**	**0.420**		**Fund. Kat.**	**5 1162**
1413	9.0	3 13.15	3.0141	0.0047	2 35 19.5	4.917	0.428	92.0	296 299 307	2 1142
1414	8.5	3 19.47	3.0179	0.0047	2 25 12.4	4.908	0.429	91.0	195 208	2 1144
1415	9.0	3 21.67	2.9500	0.0044	5 24 32.9	4.905	0.419	91.8	294 295	5 1166
1416	9.0	5 3 23.04	+2.9770	+0.0045	−4 13 18.0	+4.903	−0.423	92.0	297 302 307	4 1053
1417	8.5	3 26.21	2.9828	0.0045	3 58 10.9	4.899	0.424	92.0	297 302 316	4 1054
1418	7.5	3 31.60	3.0058	0.0046	2 57 15.1	4.891	0.427	92.0	299 302	3 1023
1419	7.5	3 32.82	3.0016	0.0046	3 8 23.0	4.889	0.427	91.9	296 301	3 1024
1420	9.0	3 35.39	2.9701	0.0045	4 31 35.3	4.886	0.422	91.1	203 206	4 1055
1421	8.0	5 3 38.07	+2.9949	+0.0046	−3 26 3.5	+4.882	−0.426	92.0	301 303	3 1025
1422	6.2	3 46.25	2.9687	0.0045	4 35 9.9	4.870	0.422	91.1	203 206	4 1056
1423	9.4	3 51.16	3.0314	0.0048	1 49 33.5	4.864	0.431	91.9	295 297	[1 815]
1424	8.5	3 53.75	3.0127	0.0047	2 38 57.9	4.860	0.428	91.9	294 303	2 1149
1425	8.5	3 55.71	3.0081	0.0046	2 51 12.9	4.857	0.428	92.0	301 302	2 1150
1426	9.0	5 3 58.91	+2.9564	+0.0044	−5 7 23.9	+4.853	−0.420	92.0	303 307	5 1168
1427	9.0	4 0.42	3.0225	0.0047	2 12 55.4	4.850	0.430	91.0	195 208	2 1151
1428	9.0	4 24.05	2.9513	0.0044	5 20 50.6	4.817	0.420	91.1	212 213	5 1169
1429	9.0	4 25.51	3.0161	0.0047	2 29 47.0	4.815	0.429	91.9	294 296	2 1154
1430	7.0	4 27.37	3.0214	0.0047	2 15 47.2	4.812	0.430	90.1	93 116	2 1155
1431	8.8	5 4 37.86	+2.9808	+0.0045	−4 3 9.4	+4.797	−0.424	92.0	295 297 307	4 1059
1432	8.8	4 43.49	2.9436	0.0043	5 40 46.7	4.790	0.419	92.0	301 302	5 1172
1433	8.7[1]	4 53.72	2.9444	0.0043	5 38 32.1	4.775	0.419	89.7	13 73 81 111	5 1174
1434	8.5	5 7.54	3.0279	0.0047	1 58 40.8	4.755	0.431	89.7	5 Beob.	2 1158
1435	7.5	5 11.39	2.9824	0.0045	3 58 42.5	4.750	0.425	91.1	203 206	4 1061
1436	8.8	5 5 40.69	+2.9576	+0.0044	−5 3 48.5	+4.708	−0.421	91.3	113 295 307[a]	5 1177
1437	8.5	5 52.24	2.9523	0.0043	5 17 39.2	4.692	0.421	90.2	13 73 81 307	5 1178
1438	8.6	5 54.18	3.0299	0.0047	1 53 17.8	4.689	0.432	91.1	212 213	1 823
1439	7.0	5 55.37	3.0188	0.0046	2 22 25.6	4.688	0.430	89.6	7 24 93 116	2 1161
1440	9.0	6 10.38	2.9424	0.0043	5 43 27.3	4.666	0.419	90.7	111 113 303	5 1179
1441	9.4	5 6 11.98	+2.9749	+0.0044	−4 18 13.6	+4.664	−0.424	91.5	195 208 294 303	[4 1063]
1442	6.0	6 17.10	3.0133	0.0046	2 36 51.8	4.657	0.429	91.3	114 296 299	2 1165
1443	9.2	6 31.30	2.9405	0.0042	5 48 18.9	4.637	0.419	91.5	203 206 297 302	5 1182
1444	9.2	6 34.24	2.9881	0.0044	3 43 18.5	4.632	0.426	91.6	5 Beob.	3 1034
1445	9.0	6 34.53	3.0278	0.0046	1 58 43.7	4.632	0.431	91.4	212 213 301	2 1166
1446	9.1	5 7 17.44	+3.0291	+0.0046	−1 55 13.1	+4.571	−0.432	90.1	5 Beob.	1 827
1447	8.5	7 26.97	3.0009	0.0045	3 9 29.1	4.558	0.428	90.8	111 114 306	3 1037
1448	9.0	7 29.72	2.9362	0.0042	5 59 18.9	4.554	0.419	90.2	13 73 81 299	6 1106
1449	9.0	7 42.11	2.9637	0.0042	4 47 9.1	4.536	0.423	91.5	113 295 296 306	4 1068
1450	9.2[2]	7 57.73	2.9839	0.0044	3 54 11.3	4.514	0.426	91.5	203 206 301 303	3 1039

[1] Rot [2] Dupl.?

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1451	9.0	5^h 8^m $7^s.94$	$+3^s.0026$	$+0^s.0044$	−3° 4′ 50″.9	+4″.499	−0″.429	89.6	7 24 93 116	3° 1040
1452	9.0	8 21.55	2.9541	0.0042	5 12 6.3	4.480	0.422	91.0	111 208 294	5 1190
1453	9.0	8 21.91	2.9987	0.0044	3 14 58.5	4.480	0.428	91.4	212 213 307	3 1041
1454	9.0	8 24.54	2.9566	0.0042	5 5 30.4	4.476	0.422	91.8	5 Beob.	5 1191
1455	9.0	8 30.68	2.9387	0.0041	5 52 14.9	4.467	0.420	92.0	297 299 301 302	5 1192
1456	8.0	5 8 32.17	+2.9640	+0.0043	−4 46 14.2	+4.465	−0.423	91.1	212 213	4 1073
1457	7.7	8 40.19	2.9875	0.0043	3 44 23.6	4.454	0.427	91.0	114 296	3 1042
1458	8.5	8 44.51	3.0067	0.0044	2 53 57.9	4.447	0.429	90.1	93 116	2 1181
1459	9.2	8 47.69	2.9540	0.0042	5 12 17.8	4.443	0.422	91.0	195 208	5 1196
1460	9.0	8 52.45	3.0248	0.0046	2 6 12.5	4.436	0.432	92.0	297 301 302	2 1182
1461	9.0	5 8 54.34	+2.9516	+0.0042	−5 18 24.5	+4.434	−0.422	91.9	294 296	5 1197
1462	9.0	9 0.86	2.9869	0.0043	3 45 51.3	4.424	0.427	91.9	294 302	3 1044
1463	9.0	9 2.22	2.9588	0.0042	4 59 28.2	4.422	0.423	91.1	212 213	5 1198
1464	9.0	9 5.33	2.9508	0.0042	5 20 36.6	4.418	0.422	91.0	113 296	5 1199
1465	8.5[1]	9 24.86	2.9501	0.0042	5 22 19.0	4.390	0.422	91.0	114 296	5 1201
1466	9.0	5 9 38.88	+3.0183	+0.0044	−2 23 23.3	+4.370	−0.431	89.6	7 24 93 116	2 1188
1467	8.5	9 42.32	2.9791	0.0043	4 6 15.6	4.365	0.426	89.6	13 73 81	4 1077
1468	9.0	9 56.24	2.9645	0.0042	4 44 29.5	4.345	0.424	91.5	111 297 299 301	4 1079
1469	9.0	10 3.20	2.9394	0.0041	5 49 55.6	4.336	0.420	91.0	113 302	5 1203
1470	9.0	10 10.08	2.9501	0.0041	5 21 59.9	4.326	0.422	91.1	212 213	5 1204
1471	8.0	5 10 24.57	+2.9933	+0.0043	−3 28 47.3	+4.305	−0.428	91.0	114 296	3 1050
1472	9.4	10 32.23	3.0100	0.0044	2 44 57.7	4.294	0.431	89.0	7 24	2 1193
1473	7.3	10 48.40	2.9605	0.0042	4 54 38.3	4.271	0.424	89.6	13 73 81	4 1084
1474	9.2	11 9.68	2.9681	0.0042	4 34 33.1	4.241	0.425	92.0	5 Beob.	4 1085
1475	(8.3)[2]	11 9.80	2.9423	0.0041	5 42 1.3	4.241	0.421	91.0	113 295	5 1207
1476	8.5	5 11 15.37	+2.9906	+0.0042	−3 35 41.2	+4.233	−0.428	90.1	93 116	3 1051
1477	8.7	11 38.71	2.9544	0.0041	5 10 20.2	4.199	0.423	91.0	111 294	5 1208
1478	8.7	11 52.64	2.9523	0.0041	5 15 42.2	4.180	0.423	91.1	203 206	5 1209
1479	8.5	11 58.37	2.9411	0.0040	5 44 49.0	4.171	0.421	89.6	13 73 81	5 1210
1480	9.0	12 8.69	3.0113	0.0043	2 41 22.5	4.157	0.431	90.0	7 24 114 305	2 1200
1481	8.5	5 12 8.91	+3.0254	+0.0043	−2 4 19.7	+4.156	−0.433	91.0	195 208	2 1201
1482	8.8	12 30.97	2.9449	0.0040	5 34 42.8	4.125	0.422	91.1	203 206	5 1213
1483	8.7	12 40.06	2.9620	0.0041	4 50 17.0	4.112	0.424	91.0	195 208	4 1090
1484	9.2	12 55.52	2.9683	0.0041	4 33 50.2	4.090	0.425	98.0	2 Beob.	[4 1091]
1485	9.0	12 58.05	2.9675	0.0041	4 35 51.4	4.086	0.425	89.6	13 73 81	4 1093
1486	9.1	5 13 11.40	+2.9899	+0.0042	−3 37 13.4	+4.067	−0.429	91.0	195 208	[3 1059]
1487	9.0	13 14.52	2.9687	0.0041	4 32 37.0	4.063	0.426	91.1	111 306	4 1095
1488	8.5	13 23.01	3.0123	0.0042	2 38 30.9	4.051	0.432	89.4	7 24 114	2 1208
1489	9.3	13 30.13	2.9644	0.0040	4 43 38.9	4.040	0.425	98.0	2 Beob.	[4 1097]
1490	7.0	13 31.28	2.9405	0.0040	5 45 52.4	4.039	0.422	91.1	203 206	5 1218
1491	9.0	5 13 33.81	+2.9645	+0.0040	−4 43 29.0	+4.035	−0.425	92.0	299 301 302	4 1099
1492	9.0	13 36.42	3.0237	0.0043	2 8 38.0	4.031	0.434	91.9	296 297	2 1211
1493	8.5	14 7.39	2.9999	0.0041	3 10 57.3	3.987	0.430	89.4	7 24 114	3 1061
1494	8.6	14 11.50	2.9566	0.0040	5 3 51.6	3.981	0.424	89.6	13 73 81	5 1219
1495	8.5	14 29.30	2.9454	0.0039	5 33 1.4	3.956	0.423	91.1	203 206	5 1220
1496	9.0	5 14 31.63	+3.0172	+0.0042	−2 25 33.4	+3.953	−0.433	89.7	15 93 116	2 1214
1497	8.5	14 33.85	2.9709	0.0040	4 26 39.9	3.949	0.426	91.1	212 213	4 1102
1498	7.3	14 46.37	2.9585	0.0040	4 58 49.7	3.931	0.425	91.4	111 297 306	5 1221
1499	9.3	15 1.28	3.0138	0.0042	2 34 26.3	3.910	0.433	89.5	7 24 85 106	2 1215
1500	8.0	15 8.04	2.9508	0.0039	5 18 38.4	3.900	0.424	91.0	113 296	5 1223

[1] Rötlich [2] Dupl. austr.; Com. 9^s 9^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1501	8.5	5^h 15^m $14^s.10$	+2^s.9361	+0^s.0039	−5° 56′ 54″.4	+3″.892	−0″.422	89.6	13 73 81	6° 1141
1502	9.0	15 21.14	2.9672	0.0040	4 35 59.2	3.882	0.426	91.4	114 296 307	4 1104
1503	8.5	15 25.55	2.9605	0.0040	4 53 22.8	3.875	0.425	91.0	195 208	4 1105
1504	9.0	15 25.61	2.9899	0.0041	3 36 41.9	3.875	0.429	91.4	203 206 303	3 1065
1505	8.9	15 29.27	2.9954	0.0041	3 22 19.3	3.870	0.430	91.2	15 299 301 305	3 1066
1506	9.0	5 15 30.11	+2.9430	+0.0039	−5 38 48.4	+3.869	−0.423	91.0	195 208	5 1224
1507	7.0	15 31.57	2.9471	0.0039	5 28 8.4	3.867	0.423	91.1	203 206	5 1225
1508	9.0	15 35.12	2.9368	0.0039	5 54 49.0	3.862	0.422	91.4	111 297 306	5 1226
1509	9.0	15 37.86	2.9490	0.0039	5 23 21.2	3.858	0.424	91.1	212 213	5 1227
1510	9.3	15 39.44	2.9960	0.0041	3 20 54.7	3.856	0.430	98.1	2 Beob.	[3 1068]
1511	8.5	5 15 43.81	+2.9366	+0.0039	−5 55 22.4	+3.849	−0.422	91.0	81 111 297 307[a]	5 1228
1512	9.0	15 46.45	2.9375	0.0039	5 53 10.2	3.846	0.422	92.0	299 301 302	5 1229
1513	8.5	16 11.01	3.0049	0.0041	2 57 34.5	3.810	0.432	90.1	93 116	3 1070
1514	9.0	16 21.37	3.0093	0.0041	2 45 54.5	3.796	0.433	90.5	7 24 303 307	2 1221
1515	7.5	16 24.08	2.9368	0.0038	5 54 38.2	3.792	0.422	89.7	13 73 111	5 1231
1516	8.0[1]	5 16 37.42	+3.0234	+0.0041	−2 9 0.1	+3.773	−0.435	89.8	15 85 93 106	2 1222
1517	9.1	16 39.11	2.9581	0.0039	4 59 27.7	3.770	0.425	92.0	5 Beob.	5 1233
1518	9.2	16 42.64	2.9538	0.0039	5 10 24.8	3.765	0.425	91.4	195 208 305	5 1234
1519	9.3	16 48.27	2.9585	0.0039	4 58 22.8	3.757	0.425	91.5	113 302 305 306	5 1235
1520	8.0	16 57.93	3.0025	0.0040	3 3 42.6	3.743	0.432	91.1	114 303	3 1075
1521	9.0	5 17 39.35	+2.9345	+0.0038	−6 0 15.6	+3.684	−0.422	91.2	13 299 305 306	6 1155
1522	8.5	17 55.51	3.0212	0.0040	2 14 43.0	3.661	0.435	89.5	7 24 85 106	2 1225
1523	9.0	17 59.79	3.0250	0.0041	2 4 49.8	3.654	0.435	89.7	15 93 116	2 1226
1524	8.5	18 4.66	3.0032	0.0040	3 1 43.0	3.648	0.432	91.0	114 296	3 1081
1525	9.0	18 9.18	2.9481	0.0038	5 24 54.5	3.641	0.424	91.1	203 206	5 1238
1526	9.0	5 18 17.71	+2.9519	+0.0038	−5 14 58.3	+3.629	−0.425	91.0	113 302	5 1240
1527	9.0	18 19.48	3.0183	0.0040	2 22 10.4	3.626	0.434	92.0	297 303 307	2 1230
1528	9.4	18 19.53	3.0245	0.0040	2 5 56.2	3.626	0.435	98.0	2 Beob.	[2 1229]
1529	9.0	18 19.78	2.9993	0.0040	3 11 47.5	3.626	0.432	91.1	212 213	3 1083
1530	9.2	18 24.17	2.9806	0.0039	4 0 22.3	3.620	0.429	91.4	195 208 313[b]	4 1110
1531	9.0	5 18 33.49	+3.0061	+0.0040	−2 53 56.7	+3.606	−0.433	92.0	299 303 307	2 1232
1532	8.5	18 53.22	2.9997	0.0039	3 10 34.2	3.578	0.432	91.1	212 213	3 1087
1533	8.4	18 54.06	2.9655	0.0038	4 39 39.7	3.577	0.427	91.1	212 213	4 1113
1534	8.4	19 2.25	2.9350	0.0037	5 58 39.5	3.565	0.423	92.0	297 302 307	6 1165
1535	**3.3**[2]	**19 26.90**	**3.0155**	**0.0040**	**2 29 20.6**	**3.530**	**0.434**		**Fund. Kat.**	**2 1235**
1536	9.0	5 19 28.56	+3.0023	+0.0039	−3 3 49.0	+3.527	−0.433	92.0	299 303	3 1090
1537	8.8	19 29.06	2.9952	0.0039	3 22 13.4	3.526	0.432	92.0	299 303[3] 307	3 1091
1538	8.0	19 38.98	3.0132	0.0039	2 35 22.4	3.512	0.434	92.0	297 302 307[a]	2 1237
1539	9.0	19 51.03	2.9427	0.0037	5 38 25.3	3.495	0.424	92.0	305 306	5 1244
1540	9.0	19 56.52	2.9655	0.0038	4 39 18.3	3.487	0.427	91.1	212 213	4 1116
1541	8.0	5 20 0.48	+3.0059	+0.0039	−2 54 21.5	+3.481	−0.433	92.0	301 305	2 1241
1542	8.5	20 6.36	3.0142	0.0039	2 32 36.5	3.473	0.434	92.0	297 302 307[a]	2 1242
1543	9.0	20 29.85	2.9619	0.0037	4 48 33.3	3.439	0.427	92.0	297 302 307	4 1119
1544	9.0	20 35.53	2.9813	0.0038	3 58 18.6	3.431	0.430	92.0	305 306	4 1121
1545	8.5	20 40.03	2.9518	0.0037	5 14 45.5	3.424	0.426	92.0	301 303	5 1245
1546	8.5	5 20 40.68	+3.0237	+0.0039	−2 7 46.4	+3.424	−0.436	95.0 96.2	3 Beob.	2 1245
1547	9.0	20 44.12	2.9793	0.0038	4 3 21.7	3.419	0.430	92.0	299 305 316	4 1122
1548	9.0	20 54.05	3.0170	0.0039	2 25 26.2	3.404	0.435	90.0	85 106	2 1246
1549	8.5	20 55.48	2.9407	0.0037	5 43 13.7	3.402	0.424	91.0	13 302 306	5 1246
1550	9.5	20 59.78	3.0025	0.0038	3 3 2.0	3.396	0.433	92.0	305 306	[3 1096]

[1] Dupl. $3''$ (Σ 693); anscheinend Lichtschwerpunkt beobachtet; ausserdem südl. Komp.: $37^s.46$ $2''.0$ 90.1 Z. 116
[2] Dupl. 4^m und 5^m, $1''$ [3] $\delta \frac{1}{2}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1551	8.0	5ʰ 21ᵐ 3ˢ.09	+2ˢ.9324	+0ˢ.0036	—6° 4′ 46″.8	+3″.391	—0″.423	92.0	301 303	6° 1176
1552	9.1	21 7.05	3.0184	0.0039	2 21 35.8	3.386	0.435	89.4	7 24 114	2 1247
1553	6.0	21 7.84	2.9434	0.0037	5 36 23.5	3.385	0.424	91.1	212 213	5 1247
1554	9.0	21 10.45	2.9442	0.0037	5 34 21.6	3.381	0.425	91.1	212 213	5 1248
1555	8.5	21 16.23	2.9999	0.0038	3 9 49.5	3.372	0.433	90.1	93 120	3 1097
1556	9.0	5 21 34.07	+2.9637	+0.0037	—4 43 35.7	+3.347	—0.428	92.0	296 299δ[1] 316	4 1126
1557	8.5	21 34.69	2.9404	0.0036	5 43 58.6	3.346	0.424	94.6	3 Beob.	5 1251
1558	9.0	21 41.85	2.9728	0.0037	4 19 59.0	3.336	0.429	91.0	15 297 307	4 1128
1559	9.0	21 45.96	2.9517	0.0037	5 14 36.3	3.330	0.426	91.4	113 303 306	5 1252
1560	9.0	21 46.36	2.9772	0.0037	4 8 35.3	3.329	0.430	91.9	296 301	4 1131
1561	7.5	5 21 57.39	+3.0164	+0.0038	—2 26 47.5	+3.313	—0.435	89.6 89.5	7 24 93[2] 116	2 1250
1562	8.6	22 1.31	2.9716	0.0037	4 23 6.0	3.308	0.429	92.0	297 305 307[2]	4 1132
1563	9.5	22 11.12	3.0127	0.0038	2 36 21.4	3.294	0.435	90.7	85 106 312	2 1251
1564	9.0	22 19.15	2.9685	0.0037	4 31 11.4	3.282	0.429	91.0	120 296	4 1133
1565	9.0	22 23.58	2.9721	0.0037	4 21 48.7	3.276	0.429	91.1	114 309	4 1134
1566	9.0	5 22 36.01	+3.0255	+0.0038	—2 3 5.6	+3.258	—0.437	91.5	212 213 316	2 1253
1567	8.7	22 41.69	3.0290	0.0038	1 53 50.4	3.250	0.437	90.5 90.8	15 299δ[1] 307	1 901
1568	8.0	22 43.51	3.0214	0.0038	2 13 46.0	3.247	0.436	92.0	301 302	2 1254
1569	8.5	22 43.84	2.9494	0.0036	5 20 24.1	3.246	0.426	89.6	13 73 81	5 1259
1570	9.0	23 6.99	3.0138	0.0038	2 33 20.3	3.213	0.435	90.0	5 Beob.	2 1257
1571	8.9	5 23 7.36	+3.0300	+0.0038	—1 51 17.8	+3.213	—0.437	91.1	212 213	1 906
1572	8.5	23 9.94	3.0261	0.0038	2 1 27.5	3.209	0.437	90.1	93 116	2 1258
1573	9.0	23 13.47	3.0103	0.0038	2 42 22.2	3.204	0.435	92.0	299δ[1] 303 312	2 1259
1574	8.5	23 29.16	2.9907	0.0037	3 33 28.2	3.181	0.432	91.1	120 305	3 1110
1575	7.5	23 36.95	2.9624	0.0036	4 46 44.6	3.170	0.428	91.0	113 296	4 1141
1576	9.0	5 23 38.83	+2.9962	+0.0037	—3 19 3.0	+3.167	—0.433	91.1	114 303	3 1111
1577	9.0	23 39.49	3.0078	0.0037	2 48 55.9	3.166	0.434	90.5	15 301	2 1260
1578	8.3	23 41.78	2.9470	0.0036	5 26 30.4	3.163	0.426	89.6	13 73 81	5 1265
1579	8.9	23 42.65	2.9814	0.0037	3 57 23.7	3.162	0.431	91.1	212 213	3 1112
1580	9.0	23 52.00	3.0303	0.0038	1 50 31.6	3.148	0.438	90.1	93 116	1 909
1581	6.8	5 23 57.33	+2.9945	+0.0037	—3 23 18.1	+3.141	—0.433	92.0	303 306	3 1115
1582	9.0	23 58.91	3.0248	0.0038	2 4 49.9	3.138	0.437	92.0	297 305 312	2 1261
1583	8.5	24 0.79	3.0068	0.0037	2 51 26.4	3.136	0.434	90.0	7 24 309	2 1263
1584	8.9	24 1.56	3.0207	0.0038	2 15 25.2	3.135	0.436	92.0	302 306	2 1262
1585	var.[3]	24 2.18	2.9623	0.0036	4 46 54.8	3.134	0.428	92.0	296 299δ[1] 307	4 1146
1586	9.0	5 24 5.32	+3.0245	+0.0038	—2 5 27.1	+3.129	—0.437	92.0	5 Beob.	2 1264
1587	8.0	24 12.25	2.9450	0.0035	5 31 32.5	3.119	0.426	91.1	113 309	5 1268
1588	8.0	24 15.10	2.9369	0.0035	5 52 18.7	3.115	0.424	92.0	305 306	5 1269
1589	8.5	24 18.69	3.0245	0.0037	2 5 20.6	3.110	0.437	92.0	297 302 312	2 1266
1590	6.3	24 24.60	2.9913	0.0037	3 31 34.7	3.101	0.432	91.4	120 311[2] 312	3 1116
1591	9.0	5 24 45.52	+3.0327	+0.0038	—1 44 13.8	+3.071	—0.438	97.0	2 Beob.	[1 914]
1592	9.0	24 53.46	3.0189	0.0037	2 20 0.0	3.060	0.436	89.7	5 Beob.	2 1268
1593	9.5	24 56.21	3.0342	0.0037	1 40 9.7	3.056	0.439	97.1	2 Beob.	[1 917]
1594	9.1	24 59.84	2.9569	0.0035	5 0 37.6	3.051	0.428	89.6	13 73 81	5 1273
1595	8.4	25 1.21	3.0306	0.0037	1 49 40.9	3.049	0.438	90.5	15 301	1 918
1596	9.0	5 25 13.46	+2.9342	+0.0035	—5 59 9.1	+3.031	—0.424	92.0	299δ[1] 307 309	6 1197
1597	8.5	25 15.14	2.9506	0.0035	5 16 47.0	3.029	0.427	91.1	113 305	5 1274
1598	9.0	25 18.52	3.0177	0.0037	2 22 55.3	3.024	0.436	92.0	303 306	2 1271
1599	8.3	25 22.30	2.9947	0.0036	3 22 39.2	3.018	0.433	91.5	120 309 316	3 1117
1600	8.0	25 22.95	2.9323	0.0035	6 3 57.3	3.017	0.424	92.0	296 299δ[1] 307[2]	6 1200

[1] ½ [2] δ ½ [3] 9ᵐ.3 (Z. 299)

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1601	8.8	$5^h\,25^m\,47^s.55$	$+3^s.0163$	$+0^s.0037$	$-2°\,26'\,36''.2$	$+2''.982$	$-0''.436$	91.1	212 213	2° 1274
1602	8.5	25 48.61	2.9439	0.0035	5 34 2.5	2.980	0.426	92.0	297 302 307	5 1277
1603	9.0	25 55.01	3.0086	0.0036	2 46 30.7	2.971	0.435	89.7	5 Beob.	2 1275
1604	8.0	25 55.61	2.9726	0.0035	4 19 51.3	2.970	0.430	91.4	212 213 296	4 1152
1605	9.1	26 4.17	2.9646	0.0035	4 40 29.2	2.958	0.429	89.6	13 73 81	[4 1153]
1606	8.8	5 26 4.49	+2.9943	+0.0036	−3 23 42.9	+2.957	−0.433	89.6	15 114	3 1120
1607	9.0	26 8.50	2.9971	0.0036	3 16 25.3	2.952	0.433	92.0	297 302 312 316	3 1121
1608	8.7	26 9.97	2.9598	0.0035	4 52 58.3	2.950	0.428	91.1	113 305	4 1155
1609	8.5	26 18.12	3.0252	0.0036	2 3 24.5	2.938	0.438	96.3 95.7	4 Beob.	2 1278
1610	(8.5)[1]	26 18.81	3.0225	0.0036	2 10 29.5	2.937	0.437	90.0	85 106	2 1279
1611	8.7	5 26 23.05	+2.9874	+0.0036	−3 41 23.6	+2.931	−0.432	92.0	301 303	3 1123
1612	9.0	26 24.46	2.9389	0.0034	5 46 45.5	2.929	0.425	91.5	113 309 316	5 1281
1613	9.0	26 37.65	2.9540	0.0035	5 7 48.4	2.910	0.427	92.0	296 306	5 1282
1614	8.8	26 40.03	3.0276	0.0036	1 57 7.3	2.906	0.438	92.0	299[2] 305 307[2]	1 929
1615	7.2	26 43.88	2.9967	0.0036	3 17 27.4	2.901	0.434	91.5	120 297 302 307	3 1126
1616	9.0	5 27 16.32	+2.9745	+0.0035	−4 14 39.5	+2.854	−0.431	90.4	15 114 312	4 1160
1617	9.0	27 17.82	2.9711	0.0035	4 23 37.2	2.852	0.430	91.1	212 213	4 1161
1618	8.8	27 18.09	2.9664	0.0034	4 35 30.3	2.851	0.429	91.9	296 301	4 1162
1619	9.0	27 30.43	2.9651	0.0034	4 38 53.9	2.833	0.429	90.8 90.3	5 Beob.	4 1163
1620	9.0	27 39.20	3.0240	0.0036	2 6 33.3	2.821	0.438	89.5	7 24 85 106	2 1285
1621	9.0	5 27 44.95	+2.9320	+0.0034	−6 3 59.5	+2.812	−0.424	92.0	302 306	6 1215
1622	9.0	27 47.71	3.0203	0.0036	2 16 8.4	2.808	0.437	90.1	93 116	2 1286
1623	8.7	27 50.75	2.9562	0.0034	5 1 57.6	2.804	0.428	91.1	212 213	5 1285
1624	8.0	28 0.44	2.9653	0.0034	4 38 17.1	2.790	0.429	90.3	13 81 297	4 1164
1625	9.3	28 5.93	3.0266	0.0036	1 59 49.6	2.782	0.438	89.6	15 120	[2 1287]
1626	8.5	5 28 12.67	+2.9473	+0.0034	−5 24 42.2	+2.772	−0.427	91.9	296 301	5 1289
1627	9.0	28 17.65	2.9637	0.0034	4 42 21.0	2.765	0.429	92.0	297 305 316	4 1165
1628	9.0	28 20.47	2.9703	0.0034	4 25 26.6	2.761	0.430	91.0	113 302	4 1166
1629	8.8	28 30.64	2.9992	0.0035	3 10 46.1	2.746	0.434	91.1	114 303	3 1135
1630	7.5	28 38.60	2.9910	0.0035	3 31 59.1	2.735	0.433	91.1	212 213	3 1136
1631	8.8	5 28 57.36	+3.0305	+0.0035	−1 49 25.0	+2.708	−0.439	90.1	93 116	1 948
1632	9.1	29 0.90	2.9411	0.0033	5 40 29.2	2.703	0.426	89.6	13 73 81	[5 1295]
1633	8.2	29 6.90	3.0271	0.0035	1 58 14.9	2.694	0.439	89.7	5 Beob.	2 1294
1634	7.8	29 14.37	3.0044	0.0035	2 57 1.0	2.683	0.435	91.1	3 Beob.	2 1296
1635	8.5	29 15.99	3.0159	0.0035	2 27 14.0	2.681	0.437	92.1	306 311[2] 312	2 1297
1636	7.5	5 29 27.90	+2.9598	+0.0034	−4 52 22.2	+2.664	−0.429	92.1	305 307[2] 316	4 1167
1637	9.0	29 29.18	2.9699	0.0034	4 26 21.1	2.662	0.430	92.0	297 302	4 1168
1638	8.0	29 35.67	2.9671	0.0034	4 33 19.4	2.652	0.430	98.0	2 Beob.	4 1171
1639	8.5	29 42.02	2.9859	0.0034	3 44 47.4	2.643	0.433	91.1	114 303	3 1141
1640	8.0	29 46.20	2.9694	0.0034	4 27 34.1	2.637	0.430	92.0	297 302	4 1172
1641	10	5 29 50.50	+2.9321	+0.0033	−6 3 31.2	+2.631	−0.425	91.1	212 213	[6 1230]
1642	8.3	29 52.71	2.9419	0.0033	5 38 14.4	2.628	0.426	92.0	301 309	5 1305
1643	9.0	29 55.82	2.9317	0.0033	6 4 24.2	2.623	0.425	97.6	2 Beob.	6 1231
1644	7.0	29 56.31	2.9759	0.0034	4 10 38.7	2.623	0.431	92.0	299 311[2] 312	4 1173
1645	9.3	30 0.07	2.9607	0.0032	4 49 57.6	2.617	0.429	92.0	301 305	[4 1175]
1646	8.5	5 30 1.94	+2.9703	+0.0033	−4 25 14.6	+2.614	−0.431	90.6	73 81 302	4 1176
1647	9.0	30 6.72	2.9695	0.0033	4 27 6.5	2.608	0.430	98.0	2 Beob.	4 1178
1648	6.8	30 7.66	2.9316	0.0033	6 4 32.8	2.606	0.425	91.1	212 213	6 1233
1649	8.0	30 8.51	2.9614	0.0033	4 47 53.5	2.605	0.429	92.0	301 305	4 1179
1650	5.4	30 9.33	2.9318	0.0033	6 4 6.8	2.604	0.425	91.5	212 213 320	6 1234

[1] Dupl. 4" maj. [2] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
1651	9.0	$5^h 30^m 10^s.55$	$+2^s.9852$	$+0^s.0034$	$-3° 46' 32''.7$	$+2''.602$	$-0''.433$	00.4	3 Beob.	3° 1142
1652	8.3	30 11.15	2.9504	0.0033	5 16 15.3	2.601	0.428	92.1	3 Beob.	5 1311
1653	9.0	30 12.13	3.0161	0.0034	2 26 50.9	2.600	0.437	96.6	2 Beob.	2 1305
1654	9.0	30 12.37	3.0272	0.0035	1 58 4.8	2.599	0.439	96.6	2 Beob.	2 1303
1655	9.0	30 14.13	2.9349	0.0033	5 56 7.9	2.597	0.425	92.0	303 306	5 1312
1656	9.0	5 30 15.28	+2.9444	+0.0033	−5 31 51.7	+2.595	−0.427	92.0	307^a 309	5 1313
1657	9.0	30 16.74	2.9647	0.0033	4 39 38.7	2.593	0.430	92.1	307 312	4 1180
1658	8.3	30 17.55	2.9336	0.0033	5 59 34.1	2.592	0.425	98.1	2 Beob.	6 1237
1659	9.0	30 20.38	2.9359	0.0033	5 53 34.1	2.588	0.426	92.0	303 306	5 1314
1660	**5.1**	**30 21.71**	**2.9461**	**0.0033**	**5 27 19.7**	**2.586**	**0.427**		**Fund. Kat.**	**5 1315**
1661	8.2	5 30 22.57	+2.9311	+0.0032	−6 5 54.5	+2.585	−0.425	00.5	3 Beob.	6 1240
1662	9.0	30 22.78	2.9537	0.0033	5 7 52.4	2.584	0.428	92.1	312 316	5 1316
1663	7.0	30 25.06	2.9670	0.0033	4 33 36.6	2.581	0.430	92.0	305 307	4 1183
1664	7.0	30 25.36	2.9686	0.0033	4 29 24.9	2.581	0.430	92.0	305 307	4 1184
1665	4.5	30 27.16	2.9590	0.0033	4 54 13.4	2.578	0.429	92.0	299 309	4 1185
1666	**5.0**	**5 30 28.21**	**+2.9455**	**+0.0033**	**−5 28 54.1**	**+2.577**	**−0.427**		**Fund. Kat.**	**5 1319**
1667	8.9	30 29.94	3.0285	0.0035	1 54 43.3	2.574	0.439	91.0	7 306 313^b	1 961
1668	7.8	30 31.74	2.9455	0.0033	5 28 57.4	2.571	0.427	92.0	299 303	5 1320
1669	**3.1**	**30 32.44**	**2.9339**	**0.0032**	**5 58 31.6**	**2.570**	**0.425**		**Fund. Kat.**	**6 1241**
1670	(7.0)[1]	30 33.98	2.9700	0.0033	4 25 45.9	2.568	0.431	91.1	13 301 323	4 1186
1671	9.0	5 30 35.37	+2.9574	+0.0033	−4 58 10.0	+2.566	−0.429	92.1	2 Beob.	5 1323
1672	7.0	30 36.17	2.9958	0.0034	3 19 5.6	2.565	0.434	92.1	312 316	3 1146
1673	9.0	30 36.34	2.9490	0.0033	5 19 57.6	2.565	0.428	97.2	3 Beob.	5 1325
1674	9.0	30 36.80	2.9454	0.0033	5 29 12.3	2.564	0.427	98.1	2 Beob.	5 1326
1675	8.7	30 37.33	2.9590	0.0033	4 54 9.7	2.563	0.429	92.1	311^a 320	4 1187
1676	9.0	5 30 38.95	+2.9527	+0.0033	−5 10 14.7	+2.561	−0.428	97.6	4 Beob.	5 1327
1677	8.8	30 40.33	2.9944	0.0034	3 22 52.4	2.559	0.434	92.2	2 Beob.	3 1148
1678	6.0	30 43.53	2.9585	0.0033	4 55 17.5	2.554	0.429	92.1	3 Beob.	4 1188
1679	8.5	30 44.89	3.0163	0.0034	2 26 18.7	2.552	0.437	92.2	3 Beob.	2 1307
1680	9.1	30 52.95	2.9316	0.0032	6 4 35.4	2.541	0.425	91.1	212 213	6 1245
1681	8.8	5 30 55.91	+3.0304	+0.0034	−1 49 39.6	+2.536	−0.439	96.4	3 Beob.	1 968
1682	8.2	30 59.93	2.9405	0.0032	5 41 34.9	2.531	0.426	92.1	307 312 323	5 1330
1683	9.0	31 3.85	2.9464	0.0033	5 26 22.3	2.525	0.427	92.0	299 303	5 1331
1684	7.8	31 9.29	2.9686	0.0033	4 29 22.9	2.517	0.431	92.0	301 305	4 1190
1685	8.8	31 12.11	3.0189	0.0034	2 19 21.0	2.513	0.438	92.2	2 Beob.	2 1309
1686	8.8	5 31 15.56	+2.9538	+0.0033	−5 7 28.9	+2.508	−0.428	92.0	307^a 309	5 1333
1687	7.8	31 20.91	2.9401	0.0032	5 42 41.3	2.500	0.426	92.1	307 312	5 1334
1688	9.4	31 25.04	3.0306	0.0034	1 49 3.7	2.494	0.440	93.6	2 Beob.	[1 972]
1689	8.5	31 27.94	3.0253	0.0034	2 2 49.2	2.490	0.439	92.2	320 323	2 1311
1690	9.0	31 32.54	2.9456	0.0032	5 28 18.9	2.483	0.427	92.0	297 299 303	5 1335
1691	9.0	5 31 35.54	+2.9372	+0.0032	−5 49 57.9	+2.479	−0.426	96.1	3 Beob.	5 1336
1692	9.0	31 42.30	2.9949	0.0033	3 21 25.5	2.469	0.434	92.2	316 323	3 1153
1693	(6.4)[2]	31 42.51	2.9303	0.0032	6 7 38.8	2.469	0.425	92.1	311^a 316	6 1255
1694	9.0	31 43.40	2.9521	0.0032	5 11 38.5	2.468	0.428	92.1	305 316	5 1338
1695	9.1	32 3.44	2.9348	0.0032	5 56 5.8	2.439	0.426	97.0	3 Beob.	5 1339
1696	9.2	5 32 17.34	+3.0303	+0.0034	−1 49 55.7	+2.419	−0.440	90.7	3 Beob.	[1 980]
1697	8.9	32 20.96	3.0230	0.0033	2 8 39.4	2.413	0.439	92.0	306 309	2 1316
1698	6.7	32 33.96	2.9332	0.0032	5 59 56.4	2.395	0.426	92.4	3 Beob.	6 1262
1699	8.5	32 38.91	3.0147	0.0033	2 30 12.3	2.387	0.437	89.6	10 120	2 1319
1700	7.8	32 40.95	2.9567	0.0032	4 59 39.9	2.384	0.429	90.8	22 114 311^a 312	5 1342

[1] Dupl. $4''$ maj. [2] Com. $5''\ 9^m.5$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
1701	9.0	$5^h\,32^m\,44^s.42$	$+2^s.9531$	$+0^s.0032$	−5° 8′ 59″.4	$+2''.379$	$-0''.429$	92.0	297 305 320	5° 1344
1702	7.0	32 57.36	2.9595	0.0032	4 52 25.5	2.361	0.430	91.1	212 213	4 1196
1703	8.8	33 4.88	3.0307	0.0033	1 48 41.3	2.350	0.440	89.8	15[1] 116	1 985
1704	7.5	33 17.47	2.9760	0.0032	4 9 58.3	2.332	0.432	89.6	13 73 81	4 1198
1705	9.0	33 19.83	2.9889	0.0032	3 36 49.9	2.328	0.434	90.0	85 106	3 1162
1706	9.0	5 33 19.99	+2.9454	+0.0031	−5 28 45.6	+2.328	−0.428	92.1	299 309 316	5 1346
1707	8.0	33 31.51	2.9541	0.0032	5 6 9.4	2.311	0.429	92.0	3 Beob.	5 1347
1708	(9.0)[2]	33 32.96	3.0117	0.0033	2 37 46.2	2.309	0.437	92.0	305 306	2 1323
1709	9.0	33 35.14	2.9523	0.0032	5 10 57.5	2.306	0.429	92.0	297 303	5 1348
1710	9.0	33 41.44	2.9510	0.0031	5 14 19.9	2.297	0.428	90.5	22 303	5 1349
1711	3.7	5 33 43.50	+3.0111	+0.0033	−2 39 27.6	+2.294	−0.437		Fund. Kat.	2 1326
1712	7.5	33 45.95	3.0112	0.0032	2 39 7.2	2.290	0.437	89.6	10 114	2 1327
1713	9.0	33 52.98	2.9722	0.0032	4 19 45.8	2.280	0.432	92.1	299 311[2] 312 316	4 1201
1714	8.3	34 0.39	3.0099	0.0032	2 42 21.3	2.269	0.437	92.1	3 Beob.	2 1328
1715	9.0	34 3.71	3.0250	0.0033	2 3 31.6	2.265	0.439	89.7	15 93 116	2 1329
1716	7.8	5 34 7.22	+2.9506	+0.0031	−5 15 3.5	+2.259	−0.429	90.5	22 303	5 1351
1717	8.3	34 11.99	2.9342	0.0031	5 57 12.2	2.253	0.426	92.1	307 323	5 1353
1718	9.0	34 13.68	3.0128	0.0032	2 35 0.1	2.250	0.438	92.1	301 323	2 1330
1719	8.8	34 20.66	2.9625	0.0031	4 44 29.3	2.240	0.430	89.6	13 73 81	4 1203
1720	9.0	34 25.35	2.9604	0.0031	4 50 1.9	2.233	0.430	91.1	212 213	4 1204
1721	6.5	5 34 32.25	+2.9886	+0.0032	−3 37 14.9	+2.223	−0.434	90.0	85 106	3 1166
1722	9.0	34 48.54	2.9538	0.0031	5 6 53.9	2.200	0.429	90.6	22 309	5 1355
1723	8.5	34 53.81	3.0267	0.0032	1 58 53.6	2.192	0.440	90.8	7 Beob.	2 1333
1724	8.0	34 55.95	2.9941	0.0032	3 23 7.1	2.189	0.435	91.1	114 302	3 1167
1725	9.0	35 11.76	3.0131	0.0032	2 34 8.6	2.166	0.438	91.0	15 297 307	2 1335
1726	9.0	5 35 18.61	+3.0149	+0.0032	−2 29 22.3	+2.156	−0.438	92.1	4 Beob.	2 1336
1727	7.8	35 20.56	2.9919	0.0031	3 28 49.7	2.153	0.435	92.0	301 302	3 1168
1728	8.2	35 28.28	2.9687	0.0031	4 28 29.2	2.142	0.431	89.6	13 73 81	4 1210
1729	7.5	35 36.57	3.0059	0.0031	2 52 41.9	2.130	0.437	91.1	120 303	2 1337
1730	2	35 42.75	3.0264	0.0032	1 59 43.4	2.121	0.440	89.7	10 93 116	2 1338
1731	9.1	5 35 55.85	+3.0057	+0.0031	−2 53 6.4	+2.102	−0.437	91.5	212 213 312	2 1341
1732	8.5	35 58.44	2.9420	0.0030	5 36 57.6	2.098	0.427	90.5	22 305	5 1359
1733	8.0	35 59.35	2.9822	0.0031	3 53 44.1	2.097	0.433	90.0	85 106	3 1170
1734	8.5	36 0.78	3.0180	0.0031	2 21 19.6	2.095	0.439	92.0	297 302 307	2 1343
1735	8.5	36 1.34	3.0084	0.0031	2 46 8.1	2.094	0.437	92.0	306 309	2 1344
1736	8.5	5 36 9.35	+2.9871	+0.0031	−3 41 3.8	+2.082	−0.434	89.6	15 114	3 1171
1737	9.0	36 31.67	3.0025	0.0031	3 1 29.0	2.050	0.436	91.1	212 213	3 1172
1738	9.3	36 34.74	2.9607	0.0030	4 48 53.0	2.046	0.430	91.0	5 Beob.	4 1217
1739	8.5	36 36.35	3.0191	0.0031	2 18 34.7	2.043	0.439	89.8	10 93 116 120	2 1345
1740	8.0	36 37.37	2.9848	0.0031	3 46 53.8	2.042	0.434	96.0	3 Beob.	3 1173
1741	7.5	5 36 39.49	+3.0042	+0.0031	−2 56 52.1	+2.039	−0.437	92.0	302 306	2 1346
1742	9.0	36 50.52	2.9904	0.0031	3 32 32.4	2.023	0.435	92.0	301 303	3 1174
1743	8.7	36 52.09	3.0065	0.0031	2 50 54.8	2.020	0.437	92.0	301 305	2 1348
1744	9.0	36 54.23	2.9480	0.0030	5 21 32.1	2.017	0.429	91.1	22 309 311[2]	5 1363
1745	8.8	37 20.94	2.9944	0.0030	3 22 14.3	1.979	0.435	89.7	15 85 106	3 1177
1746	8.5	5 37 49.61	+2.9637	+0.0030	−4 41 2.7	+1.937	−0.431	90.2	13 73 81 307	4 1223
1747	9.0	37 52.34	2.9972	0.0030	3 14 55.5	1.933	0.436	91.6	212 213 312 316	3 1178
1748	8.5	37 58.71	3.0179	0.0030	2 21 35.7	1.924	0.439	89.7	10 93 120	2 1350
1749	9.0	38 11.60	3.0131	0.0030	2 33 58.9	1.905	0.438	92.0	297 303 306	2 1351
1750	9.0	38 11.61	2.9363	0.0029	5 51 15.2	1.905	0.427	92.0	301 305	5 1369

[1] ½ [2] Dupl. pr.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B D.
1751	8.8	5^h 38^m $16^s.26$	+2.9553	+0.0029	−5° 2′ 37″.7	+1″.898	−0″.430	90.5	22 305	5° 1370
1752	9.3	38 41.54	2.9562	0.0029	5 0 4.6	1.862	0.430	91.6	212 213 312 316	5 1371
1753	9.0	38 47.76	2.9514	0.0029	5 12 21.3	1.853	0.429	92.0	297 306 309	5 1373
1754	8.7	38 54.52	2.9880	0.0030	3 38 23.8	1.843	0.435	89.7	15 85 106	3 1181
1755	9.2	39 2.99	3.0139	0.0030	2 31 41.4	1.830	0.438	92.1	301 309 311[a] 316	[2 1354]
1756	9.0	5 39 4.42	+3.0234	+0.0030	−2 7 12.8	+1.828	−0.440	90.1	10 93 120[1] 306[1]	2 1355
1757	8.0	39 6.24	2.9655	0.0029	4 36 14.0	1.826	0.431	90.2	13 73 81 307	4 1227
1758	9.0	39 7.40	3.0135	0.0030	2 32 48.8	1.824	0.438	91.1	114 301	2 1356
1759	8.8	39 15.15	3.0172	0.0030	2 23 15.8	1.813	0.439	92.0	297 305	2 1357
1760	8.5	39 27.68	3.0040	0.0030	2 57 18.2	1.795	0.437	91.4	114 303 316	2 1358
1761	7.8	5 39 30.92	+2.9443	+0.0029	−5 30 28.6	+1.790	−0.428	90.5	22 302	5 1379
1762	7.5	39 35.43	2.9623	0.0029	4 44 21.3	1.783	0.431	91.1	212 213	4 1231
1763	8.8	39 59.95	3.0136	0.0029	2 32 38.3	1.748	0.439	89.8	10 93 116 120	2 1363
1764	9.0	40 17.66	3.0078	0.0029	2 47 27.7	1.722	0.438	89.7	15 85 106	2 1366
1765	9.0	40 18.45	2.9733	0.0029	4 16 7.4	1.721	0.433	90.2	13 73 81 307	4 1233
1766	8.7	5 41 5.45	+2.9492	+0.0028	−5 17 46.7	+1.653	−0.429	90.6	22[1] 73 305	5 1387
1767	(6.5)[2]	41 5.48	2.9724	0.0028	4 18 23.3	1.653	0.433	90.4	5 Beob.	4 1235
1768	8.5	41 14.59	2.9783	0.0028	4 3 20.9	1.639	0.433	89.6	15 114	4 1236
1769	9.0	41 25.00	2.9350	0.0028	5 53 59.4	1.624	0.427	91.7	213 301 303	5 1389
1770	8.8	41 27.57	2.9785	0.0028	4 2 46.3	1.620	0.434	90.5	15 301	4 1237
1771	9.0	5 41 32.67	+2.9477	+0.0028	−5 21 29.2	+1.613	−0.429	91.5	212 213 316	5 1393
1772	9.0	41 46.95	2.9959	0.0028	3 17 54.9	1.592	0.436	90.0	85 106	3 1192
1773	8.5	42 4.25	2.9521	0.0028	5 10 19.6	1.567	0.430	89.5	13 22 73 81	5 1395
1774	9.1	42 6.80	2.9940	0.0028	3 22 49.1	1.563	0.436	89.7	10 93 116	3 1196
1775	9.0	42 21.37	2.9678	0.0028	4 30 10.5	1.542	0.432	92.0	299 303 306	4 1238
1776	8.0	5 42 26.85	+2.9413	+0.0027	−5 37 51.7	+1.534	−0.428	92.0	297 302 307	5 1398
1777	9.0	42 28.33	2.9438	0.0027	5 31 30.9	1.532	0.429	92.0	3 Beob.	5 1399
1778	8.0	42 45.54	3.0184	0.0028	2 19 56.9	1.507	0.440	92.0	301 305	2 1373
1779	9.0	42 51.84	3.0076	0.0028	2 47 43.4	1.498	0.438	92.0	3 Beob.	2 1375
1780	9.0	43 11.90	2.9976	0.0028	3 13 31.0	1.469	0.437	90.0	85 106	3 1201
1781	9.0	5 43 14.61	+2.9597	+0.0027	−4 50 41.2	+1.465	−0.431	92.0	301 303	4 1243
1782	8.8	43 35.70	2.9472	0.0027	5 22 42.7	1.434	0.429	92.1	4 Beob.	5 1405
1783	6.5	43 36.77	2.9766	0.0027	4 7 17.9	1.433	0.433	92.0	301 305	4 1244
1784	7.8	43 37.89	3.0304	0.0028	1 49 8.9	1.431	0.441	92.0	3 Beob.	1 1030
1785	8.5	43 42.44	2.9358	0.0027	5 51 46.3	1.424	0.428	92.0	297 302 307	5 1406
1786	9.0	5 43 58.25	+2.9372	+0.0027	−5 48 17.0	+1.401	−0.428	92.0	303 306	5 1409
1787	8.7	44 0.57	2.9438	0.0027	5 31 17.9	1.398	0.429	92.0	299 303 307	5 1410
1788	9.0	44 0.69	2.9948	0.0027	3 20 35.7	1.398	0.436	92.0	299 305 316	3 1204
1789	9.0	44 0.72	3.0277	0.0028	1 55 53.2	1.398	0.441	90.1	93 116	1 1032
1790	8.5	44 42.37	2.9680	0.0027	4 29 13.1	1.337	0.432	89.7	15 85 106	4 1251
1791	8.0	5 45 9.86	+2.9342	+0.0026	−5 55 37.8	+1.297	−0.428	89.6 89.5	5[3] 22 84 96	5 1417
1792	9.0	45 26.82	3.0236	0.0027	2 6 34.3	1.272	0.441	90.3	10 87 97 307	2 1386
1793	9.4	45 27.30	3.0242	0.0027	2 5 2.2	1.272	0.441	96.6	2 Beob.	[2 1387]
1794	8.7	45 32.29	2.9982	0.0027	3 11 48.8	1.264	0.437	90.1	98 107 120	3 1208
1795	8.8	45 33.05	2.9559	0.0026	5 0 22.0	1.263	0.431	90.4	5 Beob.	5 1419
1796	8.8	5 46 6.34	+2.9574	+0.0026	−4 56 15.1	+1.215	−0.431	91.6	212 213 305 307	4 1258
1797	9.5	46 7.50	3.0200	0.0027	2 15 46.7	1.213	0.440	91.0	5 Beob.	[2 1390]
1798	9.0	46 15.67	2.9409	0.0026	5 38 35.8	1.201	0.428	90.5	5 22 303 306	5 1422
1799	8.5	46 27.43	3.0041	0.0026	2 56 38.0	1.184	0.438	90.5	8 Beob.	2 1391
1800	8.8	46 34.57	2.9914	0.0026	3 29 15.5	1.174	0.436	89.7	17 84 96	3 1214

[1] ½ [2] Dupl. 7″ maj. [3] α ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1801	9.0	5h 46m 51s.85	+2s.9872	+0s.0026	−3° 40′ 2″.4	+1″.149	−0″.435	89.7 89.8	5 Beob.	3° 1216
1802	7.8	47 28.26	3.0189	0.0026	2 18 34.1	1.096	0.440	89.8	10 93 116 120	2 1395
1803	9.0	47 33.85	3.0250	0.0026	2 2 44.5	1.088	0.441	91.0	5 Beob.	2 1396
1804	9.0	47 34.86	3.0216	0.0026	2 11 33.0	1.086	0.440	91.2	5 Beob.	2 1397
1805	9.0	47 54.34	2.9908	0.0025	3 30 43.8	1.058	0.436	89.5	5 22 87 97	3 1220
1806	8.5	5 47 55.41	+2.9985	+0.0025	−3 11 0.2	+1.056	−0.437	89.4	13 17 73 81	3 1221
1807	9.0	47 57.89	3.0092	0.0025	2 43 32.4	1.053	0.439	91.0	85 106 301 303	2 1398
1808	8.5	48 23.34	2.9895	0.0025	3 33 53.6	1.015	0.436	90.3 90.5	15[1] 84 96 306	3 1223
1809	8.3	48 41.99	2.9487	0.0025	5 18 25.5	0.988	0.430	91.4	212 213 305	5 1433
1810	7.0	48 47.78	2.9388	0.0025	5 43 31.4	0.980	0.428	91.1	212 213	5 1434
1811	9.0	5 48 51.62	+2.9978	+0.0025	−3 12 38.1	+0.974	−0.437	89.9	6 Beob.	3 1226
1812	8.6	49 8.70	2.9565	0.0024	4 58 24.9	0.949	0.431	89.9	5 Beob.	4 1276
1813	8.5	49 24.69	2.9422	0.0024	5 34 49.0	0.926	0.429	89.0	5 22	5 1436
1814	9.0	49 27.71	2.9618	0.0024	4 44 55.1	0.922	0.432	91.1	212 213	4 1280
1815	9.0	49 29.73	3.0010	0.0025	3 4 29.4	0.919	0.438	90.5	5 Beob.	3 1228
1816	8.5	5 49 36.66	+2.9974	+0.0024	−3 13 42.9	+0.909	−0.437	89.7	10 87 97	3 1229
1817	7.0	49 36.91	2.9774	0.0024	4 5 1.6	0.908	0.434	92.3	4 Beob.	4 1281
1818	8.3	49 41.49	2.9910	0.0024	3 30 7.9	0.902	0.436	90.0	85 106	3 1230
1819	9.0	49 42.90	3.0252	0.0025	2 2 23.2	0.900	0.441	91.0	84 312	2 1402
1820	9.0	50 4.49	3.0203	0.0024	2 14 58.4	0.868	0.440	90.1	93 98 107 116	2 1404
1821	8.2	5 50 4.65	+3.0274	+0.0024	−1 56 40.2	+0.868	−0.441	92.0	299 312	1 1060
1822	8.4	50 18.39	2.9777	0.0024	4 4 14.7	0.848	0.434	89.6	13 73 81	4 1286
1823	8.8	50 27.98	3.0143	0.0024	2 30 22.4	0.834	0.439	89.6	15 120	2 1409
1824	7.8	50 28.97	2.9596	0.0024	4 50 31.4	0.832	0.432	91.0	17 297 299	4 1288
1825	9.0	50 29.05	2.9648	0.0024	4 37 11.9	0.832	0.432	89.0	5 22	4 1287
1826	6.0	5 50 33.48	+2.9645	+0.0024	−4 37 59.6	+0.826	−0.432	89.0	5 22	4 1289
1827	7.0	50 39.37	2.9605	0.0024	4 48 16.0	0.817	0.432	91.4 91.0	17[2] 299 307	4 1291
1828	9.5	50 47.33	3.0205	0.0024	2 14 13.1	0.806	0.440	97.1	2 Beob.	[2 1411]
1829	8.9	50 52.01	2.9770	0.0024	4 5 59.0	0.799	0.434	91.1	212 213	4 1292
1830	8.7	50 56.80	3.0070	0.0024	2 48 56.7	0.792	0.438	89.9 89.7	10[2] 87 97	2 1412
1831	8.5	5 51 0.34	+3.0212	+0.0024	−2 12 25.4	+0.787	−0.441	90.1	98 107 116	2 1413
1832	8.9	51 5.70	3.0070	0.0024	2 48 58.8	0.779	0.439	89.7	10 87 97	2 1414
1833	8.5	51 8.95	2.9835	0.0024	3 49 16.0	0.774	0.435	90.7 91.0	84 96a 303	3 1238
1834	9.0	51 23.63	3.0298	0.0024	1 50 20.6	0.753	0.442	91.4 91.0	15[2] 299 307	1 1070
1835	9.1	51 27.65	2.9343	0.0023	5 54 53.2	0.747	0.428	89.4	13 17 73 81	5 1441
1836	8.5	5 51 49.41	+3.0007	+0.0023	−3 5 7.7	+0.715	−0.438	90.0	85 106	3 1241
1837	8.5	51 58.72	3.0219	0.0023	2 10 48.1	0.702	0.441	90.1	98 107 116	2 1416
1838	9.0	52 0.12	3.0133	0.0023	2 32 49.2	0.700	0.439	92.0	299 303	2 1417
1839	9.2	52 0.39	2.9847	0.0023	3 46 8.1	0.699	0.435	90.8	84 96 323	3 1243
1840	8.8	52 16.32	3.0140	0.0023	2 30 55.3	0.676	0.440	91.0	10 299 307	2 1418
1841	8.5	5 52 32.93	+3.0107	+0.0023	−2 39 25.2	+0.652	−0.439	89.7	15 87 97	2 1420
1842	9.3	52 36.64	3.0244	0.0023	2 4 15.3	0.646	0.441	91.4	93 297 323	[2 1421]
1843	9.2	52 36.86	3.0300	0.0023	1 49 55.5	0.646	0.442	97.2	2 Beob.	[1 1075]
1844	6.5	52 48.34	2.9298	0.0023	6 6 23.2	0.629	0.427	89.4	13 17 73 81	6 1359
1845	8.7	53 4.68	2.9367	0.0023	5 48 46.0	0.606	0.428	89.0	5 22	5 1451
1846	8.5	5 53 5.34	+2.9609	+0.0023	−4 46 55.7	+0.605	−0.432	90.4	17 212 213	4 1305
1847	9.0	53 5.86	3.0128	0.0023	2 34 6.6	0.604	0.439	90.1	98 107	2 1422
1848	9.0	53 7.55	2.9728	0.0023	4 16 33.7	0.601	0.434	92.0	303 306	4 1306
1849	8.0	53 8.42	3.0250	0.0023	2 2 41.6	0.600	0.441	91.0	10 297 316	2 1423
1850	9.2	53 16.25	2.9811	0.0023	3 55 18.6	0.589	0.435	91.1	212 213	3 1246

[1] δ ½ [2] α ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1851	7.0	5^{h} 53^{m} $24^{s}.56$	$+2^{s}.9639$	$+0^{s}.0023$	$-4°$ 39′ 16″.0	$+0''.577$	$-0''.432$	92.0	299[1] 305 307	4° 1310
1852	9.0	53 24.61	2.9936	0.0023	3 23 21.0	0.576	0.437	92.1	305 306 323	3 1247
1853	9.0	53 24.81	3.0111	0.0023	2 38 24.0	0.576	0.439	90.5	15 301	2 1426
1854	9.0	53 28.15	2.9545	0.0023	5 3 25.2	0.571	0.431	96.0 96.8	3 Beob.	5 1456
1855	8.5	53 33.71	3.0235	0.0023	2 6 32.4	0.563	0.441	92.0	297 305 316	2 1427
1856	8.8	5 53 55.24	+2.9428	+0.0022	−5 33 4.5	+0.532	−0.429	89.0	5 22	5 1458
1857	9.0	53 56.31	3.0034	0.0022	2 58 6.6	0.530	0.438	90.0	10 13 81 306	2 1430
1858	9.0	54 16.28	2.9614	0.0022	4 45 43.5	0.501	0.432	90.5	17 301	4 1315
1859	8.8	54 17.59	2.9707	0.0022	4 22 1.5	0.499	0.433	90.9	73 303	4 1316
1860	8.5	54 23.54	3.0111	0.0022	2 38 26.9	0.491	0.439	89.6	15 120	2 1434
1861	8.5	5 54 24.05	+3.0179	+0.0022	−2 20 54.1	+0.490	−0.440	91.1	212 213	2 1433
1862	9.0	54 38.59	2.9712	0.0022	4 20 40.2	0.469	0.433	92.0	303 306	4 1318
1863	8.5	54 41.68	3.0180	0.0022	2 20 33.4	0.464	0.440	92.0	297 305 307	2 1436
1864	9.0	54 55.72	2.9521	0.0022	5 9 28.6	0.444	0.430	98.0	2 Beob.	5 1463
1865	8.5	54 59.33	2.9513	0.0022	5 11 21.8	0.438	0.430	91.4	212 213 307	5 1464
1866	**5.4**	**5 55 3.14**	**+3.0008**	**+0.0022**	**−3 4 41.5**	**+0.433**	**−0.438**		**Fund. Kat.**	**3 1256**
1867	9.0	55 12.29	2.9442	0.0022	5 29 32.0	0.419	0.429	92.0	301 305	5 1465
1868	8.3	55 27.19	2.9504	0.0022	5 13 43.2	0.398	0.430	91.1	212 213	5 1468
1869	9.0	55 40.83	3.0246	0.0021	2 3 46.6	0.378	0.441	91.5	120 309 316	2 1439
1870	8.3	55 47.59	2.9816	0.0021	3 53 59.7	0.368	0.435	92.0	297 303 316	3 1260
1871	9.0	5 55 58.61	+2.9930	+0.0021	−3 24 45.7	+0.352	−0.437	92.0	297 303 306	3 1261
1872	9.0	56 5.28	3.0201	0.0021	2 15 21.1	0.342	0.441	92.0	301 305 312	2 1441
1873	9.0	56 39.98	3.0241	0.0021	2 4 52.8	0.292	0.441	91.1	199 210	2 1447
1874	8.0	56 45.02	3.0177	0.0021	2 21 19.5	0.284	0.440	89.9	6 Beob.	2 1448
1875	9.0	56 45.82	2.9814	0.0021	3 54 23.0	0.283	0.435	91.1	212 213	3 1264
1876	8.0	5 56 52.60	+2.9867	+0.0021	−3 40 57.1	+0.273	−0.436	91.0	15 297 307	3 1265
1877	9.0	56 57.55	2.9529	0.0021	5 7 18.5	0.266	0.431	90.1	98 107	5 1476
1878	9.0	57 4.27	2.9706	0.0021	4 22 6.2	0.256	0.433	90.1	87 97	4 1332
1879	9.0	57 9.26	2.9877	0.0021	3 38 27.1	0.249	0.436	90.0	85 106	3 1267
1880	6.5	57 13.50	2.9525	0.0021	5 8 15.5	0.243	0.431	89.4	5 Beob.	5 1478
1881	8.3	5 57 29.22	+3.0176	+0.0021	−2 21 39.7	+0.220	−0.440	89.5	10 96	2 1453
1882	8.0	57 39.06	3.0064	0.0020	2 50 20.0	0.206	0.438	92.0	299 303 307	2 1455
1883	8.5	57 40.87	3.0164	0.0020	2 24 47.5	0.203	0.440	89.8	10 93 116 120	2 1456
1884	9.0	57 42.32	2.9734	0.0020	4 15 2.5	0.201	0.434	91.5	212 213 316	4 1336
1885	8.5	57 54.86	2.9544	0.0020	5 3 25.0	0.182	0.431	91.0	17 305 306	5 1480
1886	8.7	5 58 7.84	+3.0245	+0.0020	−2 4 4.3	+0.164	−0.441	90.5	15 306	2 1457
1887	9.0	58 14.52	2.9912	0.0020	3 29 22.7	0.154	0.436	90.1	5 22 316	3 1271
1888	7.5	58 17.63	3.0149	0.0020	2 28 35.4	0.149	0.440	90.1	87 97	2 1458
1889	9.2	58 29.39	3.0124	0.0020	2 35 3.2	0.132	0.439	90.1	93 98 107 116	2 1462
1890	9.1	59 4.11	2.9833	0.0020	3 49 42.8	0.082	0.435	90.3	17 85 106 316	3 1276
1891	8.5	5 59 7.25	+2.9331	+0.0020	−5 57 39.4	+0.077	−0.428	90.0	5 22 305	5 1487
1892	9.0	59 15.47	2.9923	0.0020	3 26 30.6	0.065	0.436	90.3	15 84 96 312	3 1278
1893	9.0	59 29.56	3.0011	0.0020	3 3 59.9	0.044	0.438	90.1	93 116	3 1281
1894	9.0	59 33.62	2.9982	0.0020	3 11 23.6	0.038	0.437	91.1	199 210	3 1283
1895	9.0	59 34.21	2.9313	0.0020	6 2 26.2	0.038	0.427	91.1	199 210	6 1395
1896	9.0	5 59 51.98	+3.0094	+0.0019	−2 42 40.6	+0.012	−0.439	89.7	10 98 107	2 1467
1897	7.8	6 0 1.44	2.9479	0.0019	5 20 10.6	−0.002	0.430	90.5	17 306	5 1491
1898	9.2	0 8.72	2.9815	0.0019	3 54 18.2	−0.013	0.435	91.1	87 97 312 316	[3 1288]
1899	9.0	0 8.91	2.9299	0.0019	6 6 0.8	−0.013	0.427	90.0	5 22 199 210	6 1400
1900	9.0	0 25.84	3.0107	0.0019	2 39 25.8	−0.038	0.439	89.7	15 93 116	2 1470

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
1901	9.0	6h 0m 31.99s	+3.0240s	+0.0019s	−2° 5′ 10.5″	−0.047″	−0.441″	92.0	305 306	2° 1472
1902	8.8	0 32.34	2.9652	0.0019	4 35 56.4	0.047	0.432	90.0	84 96	4 1351
1903	8.5	0 36.90	2.9464	0.0019	5 23 48.4	0.054	0.430	92.0	306 309	5 1495
1904	8.8	0 38.29	2.9610	0.0019	4 46 36.5	0.056	0.432	92.0	297 305 316	4 1352
1905	9.0	0 38.63	3.0221	0.0019	2 10 3.5	0.056	0.441	90.0	85 106	2 1473
1906	9.2	6 0 39.95	+2.9716	+0.0019	−4 19 32.1	−0.058	−0.433	92.1	307 312	4 1353
1907	9.0	0 46.32	2.9311	0.0019	6 2 46.3	0.068	0.427	91.6	210 307	6 1402
1908	8.5	0 49.31	2.9298	0.0019	6 6 10.9	0.072	0.427	91.1	199 210	6 1404
1909	8.3	0 58.44	2.9545	0.0019	5 3 8.7	0.085	0.431	90.1	98 107	5 1497
1910	9.0	1 4.76	2.9662	0.0019	4 33 20.8	0.094	0.432	92.1	306 311[a] 312	4 1356
1911	9.2	6 1 7.55	+2.9621	+0.0019	−4 43 54.3	−0.099	−0.432	92.1	305 316	[4 1357]
1912	7.0	1 8.61	2.9353	0.0019	5 52 15.9	0.100	0.428	89.0	5 22	5 1499
1913	9.0	1 9.03	2.9407	0.0019	5 38 30.7	0.101	0.429	90.5	17 307	5 1500
1914	9.2	1 17.99	3.0063	0.0019	2 50 38.4	0.114	0.438	89.9 89.7	10[1] 93 116	[2 1476]
1915	9.0	1 18.75	2.9618	0.0019	4 44 28.7	0.115	0.432	04.0	3 Beob.	4 1360
1916	6.0	6 1 41.30	+2.9749	+0.0019	−4 11 1.0	−0.148	−0.434	90.1	87 97	4 1362
1917	9.0	1 45.18	2.9810	0.0019	3 55 31.8	0.153	0.435	92.0	297 312	3 1296
1918	7.0	1 56.77	2.9949	0.0018	3 19 49.8	0.170	0.437	91.6	120 297 307 309	3 1297
1919	9.0	2 0.50	3.0049	0.0018	2 54 16.6	0.176	0.438	90.8	98 107 312	2 1481
1920	9.0	2 0.97	2.9605	0.0019	4 48 2.3	0.176	0.432	90.0	84 96	4 1364
1921	8.6	6 2 17.44	+3.0275	+0.0018	−1 56 22.4	−0.200	−0.441	89.7	10 85 106	1 1114
1922	8.8	2 21.59	2.9426	0.0018	5 33 32.9	0.206	0.429	90.4	5 301	5 1503
1923	9.0	2 24.11	2.9797	0.0018	3 58 54.9	0.210	0.434	92.0	305 306	3 1301
1924	9.0	2 27.48	2.9664	0.0018	4 32 50.5	0.215	0.432	98.1	2 Beob.	4 1368
1925	8.8	2 32.42	2.9469	0.0018	5 22 41.5	0.222	0.430	90.5	17 301	5 1506
1926	8.3	6 2 35.32	+2.9888	+0.0018	−3 35 27.0	−0.226	−0.436	90.7	121 215	3 1302
1927	9.0	2 35.38	2.9765	0.0018	4 6 56.9	0.227	0.434	92.1	307 311[a] 312	4 1369
1928	9.0	3 12.22	3.0125	0.0018	2 34 49.6	0.280	0.439	89.9	5 Beob.	2 1490
1929	9.0	3 12.94	3.0019	0.0018	3 1 52.9	0.281	0.438	91.5	120 309 316	3 1304
1930	9.0	3 13.18	2.9809	0.0018	3 55 45.4	0.282	0.435	96.0	3 Beob.	3 1305
1931	8.7	6 3 15.28	+3.0279	+0.0017	−1 55 18.8	−0.285	−0.441	95.1	3 Beob.	1 1121
1932	8.5	3 31.47	2.9481	0.0018	5 19 30.3	0.308	0.430	89.5	5 22 84 96	5 1515
1933	9.0	3 31.88	2.9467	0.0018	5 23 9.7	0.309	0.430	91.0	17 297 307	5 1516
1934	8.7	3 41.54	3.0148	0.0017	2 28 48.5	0.323	0.439	90.8	85 106 316	2 1494
1935	9.0	3 44.14	2.9775	0.0018	4 4 33.2	0.327	0.434	90.8	98 107 312	4 1373
1936	8.0	6 3 48.28	+2.9484	+0.0018	−5 18 55.4	−0.333	−0.430	90.7	84 96 301	5 1517
1937	9.0	3 51.40	2.9747	0.0018	4 11 32.8	0.337	0.434	91.1	199 210	4 1374
1938	7.5	3 54.00	3.0256	0.0017	2 1 16.1	0.341	0.441	89.8	10 93 116 120	2 1495
1939	8.0	4 21.12	2.9845	0.0017	3 46 41.4	0.381	0.435	90.1	15 121 215	3 1308
1940	8.5	4 23.70	2.9479	0.0018	5 20 1.8	0.384	0.430	91.3	96 297 301	5 1520
1941	9.0	6 4 27.00	+2.9776	+0.0017	−4 4 19.7	−0.389	−0.434	91.1	98 107 307 309	4 1377
1942	9.0	4 36.43	2.9938	0.0017	3 22 42.8	0.403	0.436	97.1	2 Beob.	3 1310
1943	8.8	4 38.12	2.9393	0.0018	5 41 59.2	0.406	0.428	99.0	3 Beob.	5 1522
1944	8.0	4 38.15	2.9546	0.0017	5 3 0.3	0.406	0.431	90.5	17 306	5 1521
1945	6.3	4 41.82	2.9395	0.0018	5 41 39.5	0.411	0.428	90.0	5 22 306	5 1523
1946	9.0	6 4 56.13	+2.9668	+0.0017	−4 31 47.3	−0.432	−0.432	92.1	297 305 312 316	4 1379
1947	9.0	5 4.32	2.9719	0.0017	4 18 50.5	0.444	0.433	90.7	121 215	4 1380
1948	9.0	5 9.16	2.9749	0.0017	4 11 5.0	0.451	0.434	91.1	199 210	4 1381
1949	8.5	5 16.10	2.9637	0.0017	4 39 52.4	0.461	0.432	92.0	301 305	4 1383
1950	8.4	5 19.06	3.0263	0.0016	1 59 16.4	0.465	0.441	89.9	5 Beob.	1 1133

[1] a½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
1951	9.0	6h 5m 35s.93	+2s.9892	+0s.0017	—3° 34′ 29″.3	—0″.490	—0″.436	89.6	15 120	3° 1318
1952	9.0	5 42.40	2.9806	0.0017	3 56 37.7	0.499	0.434	90.7	5 Beob.	3 1321
1953	8.9	5 46.66	3.0084	0.0016	2 45 20.2	0.505	0.438	91.1	199 210	2 1502
1954	8.3	6 4.01	3.0293	0.0016	1 51 46.6	0.531	0.441	90.7	121 215	1 1137
1955	9.2	6 4.38	2.9911	0.0016	3 29 47.1	0.531	0.436	96.6	2 Beob.	[3 1325]
1956	9.0	6 6 9.00	+2.9858	+0.0016	—3 43 24.1	—0.538	—0.435	90.1	87 97	3 1328
1957	8.7	6 17.19	2.9392	0.0017	5 42 11.1	0.550	0.428	89.7	5 84 96	5 1533
1958	8.9	6 18.78	2.9934	0.0016	3 23 47.8	0.552	0.436	90.1	93 116	3 1330
1959	8.4	6 22.65	2.9548	0.0017	5 2 29.0	0.558	0.431	92.0	297 305 307	5 1534
1960	9.1	6 23.26	3.0264	0.0016	1 59 8.0	0.559	0.441	90.3	10 85 106 316	1 1138
1961	9.1	6 6 31.13	+2.9565	+0.0016	—4 58 10.5	—0.570	—0.431	91.4	199 210 316	4 1391
1962	9.0	6 39.36	2.9913	0.0016	3 29 13.2	0.582	0.436	90.5	15 301	3 1333
1963	6.5	6 47.36	2.9642	0.0016	4 38 34.1	0.594	0.432	91.0	17 297 306	4 1393
1964	9.0	7 2.60	2.9882	0.0016	3 37 15.3	0.616	0.435	90.4 90.5	98[1] 107[2] 121 215	3 1336
1965	9.0	7 8.03	2.9853	0.0016	3 44 40.9	0.624	0.435	90.1	87 97	3 1337
1966	8.5	6 7 12.66	+2.9946	+0.0016	—3 20 52.5	—0.631	—0.436	91.4	120 305 311[2]	3 1338
1967	9.0	7 27.93	3.0044	0.0016	2 55 34.3	0.653	0.438	89.7	10 93 116	2 1510
1968	8.3	7 28.45	2.9883	0.0016	3 36 47.0	0.654	0.435	89.6	5 22 98 107	3 1339
1969	9.0	7 36.46	2.9866	0.0016	3 41 22.0	0.665	0.435	90.0	85 106	3 1340
1970	7.0	7 43.25	3.0149	0.0015	2 28 47.9	0.675	0.439	95.1	3 Beob.	2 1512
1971	9.0	6 7 49.52	+2.9785	+0.0016	—4 2 1.5	—0.685	—0.434	91.4	96 297 306	4 1402
1972	9.0	7 55.31	2.9745	0.0016	4 12 18.8	0.693	0.433	90.5	17 301	4 1403
1973	8.5	8 1.43	3.0119	0.0015	2 36 27.3	0.702	0.439	91.1	120 305	2 1513
1974	7.0	8 6.91	2.9580	0.0016	4 54 29.2	0.710	0.431	91.1	199 210	4 1405
1975	7.7	8 16.97	2.9562	0.0016	4 59 0.8	0.725	0.431	92.0	297 305 307	4 1407
1976	9.0	6 8 24.75	+3.0107	+0.0015	—2 39 31.3	—0.736	—0.438	90.1	5 Beob.	2 1514
1977	7.9	8 33.78	3.0208	0.0015	2 13 34.7	0.749	0.440	92.1	306 311[2] 312	2 1515
1978	8.4	8 35.35	2.9659	0.0015	4 34 23.1	0.751	0.432	90.0 90.2	5 Beob.	4 1410
1979	9.0	8 46.29	2.9286	0.0016	6 9 34.1	0.767	0.426	91.0	17 297 307	6 1460
1980	6.5	8 55.77	2.9860	0.0015	3 42 52.5	0.781	0.435	89.7	15 98 107	3 1345
1981	9.0	6 9 2.13	+2.9806	+0.0015	—3 56 40.9	—0.790	—0.434	90.7	121 215	3 1346
1982	9.0	9 9.98	2.9813	0.0015	3 54 59.3	0.802	0.434	90.0	84 96	3 1349
1983	6.0	9 40.05	2.9667	0.0015	4 32 21.3	0.846	0.432	90.1	87 97	4 1421
1984	8.7	9 46.03	3.0042	0.0014	2 56 18.1	0.854	0.437	92.0	305 306	2 1527
1985	8.5	9 47.06	2.9762	0.0015	4 7 52.9	0.856	0.433	92.1	306 312	4 1423
1986	7.5	6 9 47.06	+2.9695	+0.0015	—4 25 8.6	—0.856	—0.432	92.0	301 309	4 1422
1987	8.3	10 1.62	2.9924	0.0014	3 26 24.2	0.877	0.436	90.1	5 Beob.	3 1354
1988	8.9	10 3.63	2.9495	0.0015	5 16 17.8	0.880	0.429	92.1	306 312	5 1553
1989	8.8	10 10.67	2.9655	0.0015	4 35 22.1	0.890	0.432	92.0	301 312	4 1426
1990	9.0	10 14.45	2.9917	0.0014	3 28 15.1	0.896	0.435	92.1	307 323	3 1355
1991	9.2	6 10 15.29	+2.9659	+0.0015	—4 34 27.8	—0.897	—0.432	92.0	301 312	[4 1427]
1992	9.0	10 16.62	2.9375	0.0015	5 46 59.6	0.899	0.428	98.1	2 Beob.	5 1555
1993	8.9	10 30.62	2.9293	0.0015	6 7 49.8	0.919	0.426	96.1	3 Beob.	6 1473
1994	6.6	10 33.58	2.9587	0.0015	4 52 55.3	0.924	0.431	92.1	301 311[2] 323	4 1431
1995	9.0	10 38.18	2.9344	0.0015	5 54 42.6	0.930	0.427	92.0	305 307	5 1560
1996	8.7	6 10 45.32	+3.0179	+0.0014	—2 21 10.7	—0.941	—0.439	92.1	306 312	2 1530
1997	9.0	10 50.68	3.0122	0.0014	2 35 49.6	0.949	0.438	91.1 90.8	84δ 96 320	2 1532
1998	8.0	10 53.67	2.9282	0.0015	6 10 33.6	0.953	0.426	92.0	297 309	6 1475
1999	8.9	10 56.54	3.0204	0.0014	2 14 34.2	0.957	0.439	92.0	301 312	2 1533
2000	8.7	11 1.50	2.9808	0.0014	3 56 9.7	0.964	0.434	92.1	305 316	3 1361

[1] δ¼ [2] δ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
2001	8.1	6h 11m 6s.95	+3s.0063	+0s.0014	—2° 50′ 56″.5	—0″.972	—0″.437	89.9	10 15[1] 121 215	2° 1534
2002	9.0	11 10.62	2.9685	0.0014	4 27 52.1	0.978	0.432	90.1	87 97	4 1435
2003	8.7	11 13.03	2.9947	0.0014	3 20 36.2	0.981	0.436	90.1	98 107	3 1362
2004	9.0	11 13.86	2.9801	0.0014	3 57 58.0	0.982	0.434	92.1	305 316	3 1363
2005	8.7	11 30.92	2.9288	0.0015	6 9 8.5	1.007	0.426	92.0	297 309	6 1477
2006	8.7	6 11 42.66	+2.9952	+0.0014	—3 19 26.3	—1.024	—0.436	91.6	220 306	3 1368
2007	8.7	11 43.68	2.9928	0.0014	3 25 32.7	1.026	0.435	91.1	199 210	3 1369
2008	8.7	11 45.67	2.9986	0.0014	3 10 37.9	1.029	0.436	91.1	120 305	3 1370
2009	9.0	11 55.20	3.0064	0.0013	2 50 40.4	1.042	0.437	95.8	3 Beob.	2 1542
2010	8.3	12 12.40	2.9304	0.0014	6 5 1.2	1.067	0.426	89.5	5 22 85 106	6 1482
2011	9.0	6 12 16.64	+2.9649	+0.0014	—4 37 5.2	—1.074	—0.431	90.4	15 96 316	4 1442
2012	8.0	12 20.48	2.9487	0.0014	5 18 27.1	1.079	0.429	90.6	17 316	5 1565
2013	9.1	12 25.45	3.0025	0.0013	3 0 47.8	1.086	0.437	91.5	218 220 306	3 1373
2014	9.4	12 26.41	3.0057	0.0013	2 52 30.0	1.088	0.437	97.1	2 Beob.	[2 1547]
2015	9.1	12 30.52	3.0010	0.0013	3 4 34.6	1.094	0.436	90.1	98 107	3 1374
2016	9.2	6 12 33.69	+2.9570	+0.0014	—4 57 20.1	—1.099	—0.430	90.1	87 97	4 1443
2017	8.7	12 36.28	2.9495	0.0014	5 16 20.5	1.102	0.429	90.8	17 218 316	5 1567
2018	7.2	12 56.24	2.9713	0.0013	4 20 39.7	1.131	0.432	91.1	199 210	4 1445
2019	9.2	13 19.90	3.0224	0.0012	2 9 27.6	1.166	0.439	91.4	108 305 306	[2 1552]
2020	7.1	13 23.28	2.9415	0.0014	5 36 57.1	1.171	0.428	89.0	5 22	5 1576
2021	8.7	6 13 28.68	+3.0042	+0.0013	—2 56 15.0	—1.179	—0.437	89.8	10[1] 120	2 1553
2022	8.6	13 33.70	3.0159	0.0012	2 26 23.2	1.186	0.439	91.1	199 210	2 1554
2023	9.0	13 41.64	2.9591	0.0013	4 52 5.0	1.197	0.430	91.1	96 316	4 1448
2024	8.6	13 42.58	2.9868	0.0013	3 40 59.3	1.199	0.434	91.6	218 306	3 1384
2025	8.7	13 45.63	3.0035	0.0012	2 58 13.1	1.203	0.437	90.1	98 107 120	2 1556
2026	8.3	6 13 55.65	+2.9554	+0.0013	—5 1 24.8	—1.218	—0.430	91.7	220 316	5 1581
2027	8.9	13 57.34	2.9507	0.0013	5 13 25.5	1.220	0.429	91.3	17 297 309 318	5 1582
2028	9.2	14 4.10	2.9983	0.0012	3 11 36.4	1.230	0.436	90.0	85 106	[3 1385]
2029	8.0	14 7.75	2.9863	0.0012	3 42 23.0	1.235	0.434	90.1	87 97	3 1387
2030	8.5	14 8.61	2.9935	0.0012	3 23 50.9	1.237	0.435	91.6	218 307	3 1386
2031	9.0	6 14 10.49	+2.9761	+0.0013	—4 8 27.6	—1.239	—0.433	91.1	199 210	4 1451
2032	9.1	14 25.13	2.9523	0.0013	5 9 22.2	1.261	0.429	91.3	5 297 305 318	5 1584
2033	9.0	14 49.23	2.9503	0.0013	5 14 35.0	1.296	0.429	91.3	17 297 309 316	5 1588
2034	8.8	14 49.31	2.9685	0.0012	4 28 4.6	1.296	0.431	91.4	218 220 301	4 1457
2035	5.5	14 59.11	3.0051	0.0012	2 54 7.4	1.310	0.437	90.1	5 Beob.	2 1564
2036	9.0	6 15 0.14	+2.9535	+0.0013	—5 6 19.7	—1.312	—0.429	91.1	199 210	5 1590
2037	9.0	15 12.23	2.9431	0.0013	5 33 8.3	1.329	0.428	91.6	218 306	5 1591
2038	8.0	15 13.71	3.0259	0.0011	2 0 40.9	1.331	0.440	90.1	98 107 120	1 1198
2039	8.5	15 28.45	2.9349	0.0013	5 53 57.9	1.353	0.426	89.6 89.5	5 22[2] 87 97	5 1594
2040	9.0	15 29.24	2.9746	0.0012	4 12 22.6	1.354	0.432	91.1	96 307	4 1461
2041	9.1	6 15 30.06	+2.9969	+0.0012	—3 15 11.8	—1.355	—0.435	90.8	106 120 305	3 1391
2042	9.0	15 40.34	2.9336	0.0013	5 57 23.4	1.370	0.426	90.5	17 301	5 1597
2043	7.3	15 53.58	2.9666	0.0012	4 32 59.4	1.389	0.431	91.1	199 210	4 1467
2044	9.2	15 58.05	2.9958	0.0011	3 17 59.4	1.396	0.435	91.8	220 297 318	3 1394
2045	9.1	15 59.48	2.9862	0.0012	3 42 49.9	1.398	0.434	90.7	121 215	3 1395
2046	9.0	6 16 0.99	+2.9803	+0.0012	—3 57 52.6	—1.400	—0.433	90.8	103 108 318	3 1396
2047	8.0	16 1.52	2.9922	0.0012	3 27 26.6	1.401	0.435	91.6	218 306	3 1397
2048	9.0	16 11.11	2.9318	0.0013	6 2 3.4	1.415	0.426	90.8	98 107 312	6 1508
2049	8.0	16 13.71	2.9724	0.0012	4 18 16.0	1.419	0.432	91.6	220 307	4 1470
2050	9.0	16 13.72	2.9350	0.0012	5 53 42.9	1.419	0.426	91.0	97 301	5 1599

[1] ½ [2] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2051	9.1	$6^h\ 16^m\ 22^s.10$	$+2^s.9324$	$+0^s.0012$	−6° 0′ 21″.3	$-1''.431$	$-0''.426$	90.8	98 107 309	5° 1601
2052	8.5	16 48.56	2.9499	0.0012	5 15 44.9	1.469	0.428	91.0	5 297 320	5 1602
2053	8.6	16 53.49	2.9406	0.0012	5 39 34.6	1.477	0.427	90.5	17 306	5 1604
2054	8.7	16 58.70	3.0266	0.0010	1 58 54.7	1.484	0.439	91.1	120 305	1 1212
2055	9.1	17 1.27	2.9704	0.0011	4 23 19.4	1.488	0.431	97.2	2 Beob.	4 1473
2056	8.2	6 17 7.86	+2.9465	+0.0012	−5 24 27.5	−1.497	−0.428	90.0	84 96	5 1606
2057	9.0	17 13.17	3.0171	0.0010	2 23 26.0	1.505	0.438	90.8	103 108 307	2 1578
2058	8.0	17 14.17	2.9630	0.0012	4 42 20.7	1.507	0.430	91.1	199 210	4 1476
2059	8.5	17 15.62	2.9532	0.0012	5 7 27.8	1.509	0.429	91.6	218 301	5 1607
2060	8.7	17 17.35	2.9508	0.0012	5 13 37.8	1.511	0.428	92.0	301 305	5 1608
2061	7.8	6 17 28.41	+3.0108	+0.0010	−2 39 37.7	−1.527	−0.437	91.6	220 306	2 1579
2062	8.3	17 36.50	2.9553	0.0011	5 1 58.7	1.539	0.429	91.7	220 316	5 1609
2063	8.6	17 36.69	2.9606	0.0011	4 48 31.2	1.539	0.430	92.1	312 316	4 1479
2064	9.0	17 37.54	2.9350	0.0012	5 53 50.1	1.541	0.426	92.2	316 323	5 1610
2065	var.[1]	17 41.28	3.0228	0.0010	2 8 43.2	1.546	0.439	91.5	120 320 323	2 1581
2066	8.5	6 17 52.64	+2.9475	+0.0011	−5 21 58.7	−1.563	−0.428	89.7	5 84 107	5 1612
2067	8.7	17 54.26	2.9579	0.0011	4 55 27.1	1.565	0.429	92.0	301 305	4 1480
2068	9.0	17 57.68	2.9409	0.0012	5 38 48.5	1.570	0.427	89.7	17 87 97	5 1614
2069	8.5	18 1.56	2.9763	0.0011	4 8 14.3	1.576	0.432	91.6	218 306	4 1481
2070	7.2	18 1.70	2.9976	0.0010	3 13 38.8	1.576	0.435	90.7	121 215	3 1413
2071	7.8	6 18 6.98	+2.9920	+0.0010	−3 27 56.9	−1.583	−0.434	90.1	103 108	3 1414
2072	8.8	18 7.01	3.0122	0.0010	2 36 2.4	1.583	0.437	91.1	199 210	2 1583
2073	9.0	18 14.62	2.9467	0.0011	5 24 15.5	1.595	0.428	89.7	5 96 98	5 1616
2074	7.0	18 26.32	2.9647	0.0011	4 38 10.8	1.612	0.430	90.0	85 106	4 1484
2075	8.5	18 57.25	2.9637	0.0011	4 40 35.1	1.656	0.430	90.7	121 215	4 1490
2076	9.2	6 18 59.76	+2.9620	+0.0011	−4 45 0.8	−1.660	−0.430	91.3	17 305 306 312	4 1491
2077	9.0	19 29.72	2.9474	0.0011	5 22 26.5	1.704	0.427	90.8	5 96 300 316	5 1622
2078	8.5	19 30.40	2.9921	0.0010	3 27 53.3	1.705	0.434	90.5	6 Beob.	3 1420
2079	9.0	19 34.50	2.9699	0.0010	4 24 45.3	1.711	0.431	90.1	87 97	4 1494
2080	9.1	19 41.77	2.9814	0.0010	3 55 20.3	1.721	0.432	91.4	199 210 220 318	3 1422
2081	9.0	6 19 51.26	+3.0037	+0.0009	−2 58 4.3	−1.735	−0.436	91.1	120 304	2 1597
2082	8.0	19 53.24	2.9457	0.0011	5 26 53.9	1.738	0.427	91.0	84 304	5 1627
2083	8.8	20 7.56	2.9425	0.0011	5 35 2.8	1.759	0.427	90.7	17 218 301	5 1628
2084	8.9	20 8.45	2.9707	0.0010	4 22 52.7	1.760	0.431	90.0	85 106	4 1498
2085	8.3	20 13.89	2.9375	0.0011	5 47 47.6	1.768	0.426	91.1	199 210	5 1629
2086	7.0	6 20 34.45	+3.0044	+0.0009	−2 56 8.0	−1.798	−0.436	90.6	10 121 215 320	2 1601
2087	8.0	20 42.90	2.9615	0.0010	4 46 33.4	1.810	0.429	90.2	5 22 305	4 1501
2088	7.2	20 48.86	2.9835	0.0009	3 49 56.7	1.819	0.432	90.1	103 108	3 1425
2089	9.2	20 59.51	2.9983	0.0009	3 11 55.9	1.834	0.435	91.1	120 202 214 312	3 1429
2090	8.8	21 1.73	3.0169	0.0009	2 24 1.6	1.837	0.437	90.1	98 107	2 1605
2091	8.5	6 21 5.71	+2.9293	+0.0010	−6 8 52.7	−1.843	−0.425	91.0	5 Beob.	6 1542
2092	7.4	21 10.98	2.9922	0.0009	3 27 36.0	1.851	0.434	90.5	10 301	3 1430
2093	8.5	21 11.43	2.9663	0.0010	4 34 15.5	1.851	0.430	91.6	96 300 309 316	4 1504
2094	9.0	21 20.56	2.9907	0.0009	3 31 38.2	1.865	0.433	91.4	199 210 318	3 1432
2095	7.0	21 37.79	2.9671	0.0009	4 32 19.9	1.890	0.430	89.9	5 Beob.	4 1510
2096	8.0	6 22 1.33	+2.9703	+0.0009	−4 24 0.8	−1.924	−0.430	91.1	202 214	4 1512
2097	8.7	22 1.89	2.9665	0.0009	4 33 57.5	1.925	0.430	91.1	17 220 300 320	4 1513
2098	7.2	22 3.67	2.9728	0.0009	4 17 46.5	1.927	0.431	91.1	202 214	4 1514
2099	9.0	22 5.91	3.0031	0.0008	2 59 47.3	1.930	0.435	91.6	218 301	2 1613
2100	9.0	22 14.33	2.9629	0.0009	4 43 12.6	1.943	0.429	91.1	199 210	4 1517

[1] Geschätzte Größen: 9.3 8.2 8.3

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
2101	9.0	6h 22m 26s.75	+3s.0174	+0s.0008	−2° 22′ 54″.6	−1″.961	−0″.437	92.0	304 306	2° 1615
2102	8.7	22 32.48	3.0228	0.0008	2 8 55.7	1.969	0.438	91.7	220 316	2 1616
2103	9.0	22 36.17	2.9841	0.0008	3 48 39.2	1.974	0.432	92.0	300 305	3 1438
2104	9.0	22 41.09	2.9917	0.0008	3 29 10.3	1.982	0.433	92.2	318 323	3 1439
2105	8.2	22 44.23	3.0123	0.0008	2 35 54.4	1.986	0.436	92.1	304 318	2 1617
2106	9.0	6 22 49.00	+2.9356	+0.0009	−5 53 14.5	−1.993	−0.425	92.1	312 316	5 1642
2107	8.5	22 51.49	2.9619	0.0009	4 45 48.0	1.997	0.429	91.1	199 210	4 1522
2108	8.3	22 51.75	2.9594	0.0009	4 52 12.8	1.997	0.429	91.1	202 214	4 1523
2109	8.5	22 55.50	2.9542	0.0009	5 5 35.9	2.002	0.428	92.2	3 Beob.	5 1644
2110	8.6	22 57.30	2.9724	0.0009	4 18 40.2	2.005	0.430	92.1	309 316	4 1524
2111	5.0	6 23 1.28	+2.9634	+0.0009	−4 42 0.8	−2.011	−0.429		**Fund. Kat.**	4 1526
2112	8.8	23 2.44	2.9573	0.0009	4 57 36.7	2.013	0.428	91.7	220 318	4 1527
2113	8.9	23 2.83	2.9626	0.0009	4 44 2.4	2.013	0.429	91.1	199 210	4 1528
2114	8.8	23 7.36	3.0014	0.0008	3 4 16.1	2.020	0.435	92.1	304 320	3 1444
2115	8.4	23 14.80	2.9602	0.0009	4 50 12.8	2.030	0.429	91.1	202 214	4 1530
2116	9.0	6 23 22.15	+2.9937	+0.0008	−3 23 54.4	−2.041	−0.433	92.1	312 320	3 1447
2117	9.0	23 25.63	2.9704	0.0008	4 23 57.8	2.046	0.430	92.0	300 309	4 1534
2118	8.9	23 27.47	2.9571	0.0009	4 58 16.0	2.049	0.428	92.2	318 323	4 1535
2119	9.0	23 33.82	2.9996	0.0008	3 8 50.8	2.058	0.434	92.1	304 320	3 1449
2120	8.5	23 36.21	2.9677	0.0008	4 30 54.8	2.062	0.430	92.2	3 Beob.	4 1536
2121	8.5	6 23 40.99	+2.9862	+0.0007	−3 43 15.4	−2.068	−0.432	91.7	220 318	3 1450
2122	8.2	23 49.84	3.0159	0.0007	2 26 43.3	2.081	0.437	92.1	312 316	2 1624
2123	8.5	23 55.58	3.0122	0.0007	2 36 23.5	2.090	0.436	91.1	202 214	2 1625
2124	8.7	24 10.25	2.9445	0.0009	5 30 30.4	2.111	0.426	91.1	199 210	5 1649
2125	8.8	24 13.88	3.0009	0.0007	3 5 34.7	2.116	0.434	92.0	300 304	3 1453
2126	9.0	6 24 14.41	+2.9452	+0.0009	−5 28 43.0	−2.117	−0.426	91.1	199 210	5 1650
2127	9.0	24 19.79	2.9407	0.0009	5 40 14.5	2.125	0.425	91.7	223 320	5 1651
2128	9.0	24 20.54	3.0227	0.0007	2 9 11.0	2.126	0.437	92.1	309 318	2 1628
2129	8.7	24 28.45	3.0078	0.0007	2 47 43.7	2.137	0.435	91.7	220 316	2 1631
2130	7.9	24 37.64	2.9918	0.0007	3 29 7.5	2.151	0.433	90.1	98 103 107 108	3 1456
2131	9.0	6 24 59.97	+2.9445	+0.0008	−5 30 37.0	−2.183	−0.426	90.7	5 Beob.	5 1655
2132	8.9	25 5.06	2.9994	0.0007	3 9 34.3	2.190	0.434	91.1	121 215 300	3 1459
2133	8.8	25 12.43	2.9867	0.0007	3 42 19.8	2.201	0.432	90.0	85 106	3 1462
2134	9.0	25 16.72	3.0115	0.0007	2 38 10.3	2.207	0.436	91.1	202 214	2 1638
2135	9.1	25 19.41	2.9994	0.0007	3 9 38.3	2.211	0.434	91.7	218 318	3 1463
2136	7.5	6 25 26.45	+3.0041	+0.0007	−2 57 16.2	−2.221	−0.434	91.1	202 214	2 1639
2137	8.3	25 31.06	2.9652	0.0008	4 37 43.3	2.228	0.429	91.0	84 304	4 1546
2138	9.0	25 39.49	2.9637	0.0008	4 41 21.9	2.240	0.429	91.6	96 300 320 323	4 1547
2139	9.0	25 40.74	2.9526	0.0008	5 9 58.5	2.242	0.427	90.6	17 316	5 1661
2140	7.9	25 48.61	2.9881	0.0007	3 38 39.1	2.253	0.432	90.1	98 103 107 108	3 1469
2141	9.0	6 26 0.78	+2.9746	+0.0007	−4 13 35.1	−2.271	−0.430	91.1	199 210	4 1549
2142	9.0	26 1.48	2.9376	0.0008	5 48 37.4	2.272	0.425	90.8	5 220 316	5 1662
2143	9.0	26 13.19	2.9879	0.0007	3 39 12.2	2.289	0.432	90.4	98 107 121 215	3 1473
2144	9.0	26 23.66	2.9752	0.0007	4 12 1.4	2.304	0.430	90.7	87 97 304	4 1551
2145	8.0	26 41.23	2.9496	0.0007	5 17 53.5	2.330	0.426	91.3	6 Beob.	5 1666
2146	9.0	6 26 50.39	+2.9763	+0.0007	−4 9 20.4	−2.343	−0.430	90.7	85 106 312	4 1554
2147	8.8	26 54.12	2.9501	0.0007	5 16 30.9	2.348	0.426	91.3	17 300 309 320	5 1669
2148	8.7	26 56.91	3.0099	0.0006	2 42 39.0	2.352	0.435	90.1	103 108	2 1649
2149	8.9	26 57.79	3.0006	0.0006	3 6 39.5	2.354	0.434	91.1	199 210 223	3 1475
2150	9.0	27 8.71	3.0077	0.0006	2 48 14.1	2.369	0.435	91.5	96 312 318	2 1650

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2151	9.0	6ʰ 27ᵐ 12ˢ.79	+2ˢ.9396	+0ˢ.0008	−5° 43′ 35″.6	−2″.375	−0″.425	91.0	5 304 318	5° 1674
2152	9.0	27 29.26	3.0095	0.0006	2 43 32.0	2.399	0.435	91.2	103 108 320 323	2 1652
2153	5.7	27 29.37	2.9380	0.0008	5 47 42.1	2.399	0.424	90.4	5 202 214	5 1678
2154	9.0	27 30.53	2.9922	0.0006	3 28 19.8	2.401	0.432	90.4	98 107 121 215	3 1477
2155	8.7	27 36.32	2.9866	0.0006	3 42 45.7	2.409	0.431	91.5	218 220 316	3 1479
2156	8.8	6 27 44.75	+2.9712	+0.0006	−4 22 35.7	−2.422	−0.429	90.1	87 97	4 1558
2157	7.9	27 45.37	2.9504	0.0007	5 16 2.2	2.423	0.426	91.3 91.2	3 Beob.	5 1680
2158	9.2	27 56.29	3.0171	0.0005	2 23 59.6	2.438	0.436	91.1	199 210	[2 1654]
2159	8.1	27 59.86	2.9858	0.0006	3 44 45.2	2.444	0.431	90.7	121 215	3 1480
2160	9.0	28 8.47	3.0174	0.0005	2 23 21.8	2.456	0.436	04.2	2 Beob.	2 1656
2161	9.3	6 28 24.49	+2.9380	+0.0007	−5 48 2.4	−2.479	−0.424	98.2	2 Beob.	[5 1684]
2162	9.4	28 38.21	2.9521	0.0007	5 11 47.1	2.499	0.426	90.9	17 220 223 316	5 1685
2163	8.5	28 51.58	3.0283	0.0004	1 54 59.6	2.518	0.437	90.0	85 106	1 1276
2164	9.3	28 55.45	3.0260	0.0004	2 0 58.9	2.524	0.437	90.7	7 Beob.	[1 1278]
2165	9.0	28 59.02	2.9326	0.0007	6 1 49.1	2.529	0.423	91.5	202 214 323	6 1606
2166	8.5	6 29 3.89	+2.9685	+0.0006	−4 29 30.2	−2.536	−0.428	90.1	87 97	4 1566
2167	8.5	29 4.79	2.9568	0.0006	4 59 41.9	2.537	0.427	91.7	218 318	4 1567
2168	8.5	29 8.59	2.9770	0.0006	4 7 50.7	2.543	0.430	91.1	199 210	4 1568
2169	9.0	29 14.10	2.9347	0.0007	5 56 40.1	2.551	0.423	91.1	202 214	5 1687
2170	8.1	29 19.87	3.0072	0.0005	2 49 41.8	2.559	0.434	91.7	218 316	2 1662
2171	8.5	6 29 20.25	+2.9951	+0.0005	−3 21 0.8	−2.560	−0.432	91.7	220 318	3 1487
2172	7.0	29 21.36	3.0033	0.0005	2 59 49.1	2.561	0.433	90.7	121 215	2 1663
2173	7.4	29 22.15	2.9608	0.0006	4 49 23.7	2.563	0.427	91.1	202 214	4 1569
2174	8.3	29 23.47	2.9509	0.0006	5 15 2.7	2.565	0.426	91.0	5 300 309	5 1689
2175	9.0	29 25.78	2.9912	0.0005	3 31 12.7	2.568	0.432	92.1	300 304 320 323	3 1489
2176	9.0	6 29 25.97	+3.0119	+0.0004	−2 37 31.0	−2.568	−0.435	91.8	223 312 320	2 1664
2177	8.5	29 51.13	2.9319	0.0007	6 3 58.4	2.604	0.423	90.6	17 318	6 1616
2178	8.4	29 53.96	2.9759	0.0005	4 10 37.4	2.609	0.429	91.1	199 210	4 1571
2179	8.0	29 55.82	2.9660	0.0006	4 36 8.9	2.611	0.428	90.1	103 108	4 1574
2180	9.0	30 15.34	3.0088	0.0004	2 45 41.1	2.640	0.434	90.7	85 106 304	2 1668
2181	8.9	6 30 17.76	+2.9449	+0.0006	−5 30 30.7	−2.643	−0.425	89.5	5 98	5 1695
2182	7.3	30 20.88	2.9635	0.0006	4 42 36.4	2.648	0.427	90.1	87 97	4 1576
2183	8.5	30 31.35	2.9795	0.0005	4 1 22.0	2.663	0.429	90.9	121 202 214 215	3 1499
2184	8.0	30 32.83	3.0228	0.0004	2 9 33.0	2.665	0.436	90.0	84 96	2 1669
2185	8.2	30 35.58	2.9824	0.0005	3 53 54.2	2.669	0.430	91.1	199 210	3 1501
2186	9.0	6 30 50.36	+2.9395	+0.0006	−5 44 28.4	−2.690	−0.424	90.8	17 223 316	5 1698
2187	7.7	30 51.86	3.0008	0.0004	3 6 29.1	2.692	0.432	92.0	300 304	3 1503
2188	8.5	30 52.30	3.0149	0.0004	2 29 59.0	2.693	0.435	91.7	220 318	2 1671
2189	8.3	30 53.02	2.9383	0.0006	5 47 33.4	2.694	0.423	91.7	218 316	5 1700
2190	8.0	30 59.65	2.9825	0.0005	3 53 47.7	2.704	0.430	91.1	199 210	3 1506
2191	9.4	6 31 14.70	+3.0257	+0.0003	−2 2 4.9	−2.725	−0.436	91.8	6 Beob.	[2 1672]
2192	8.4	31 18.28	2.9399	0.0006	5 43 39.5	2.730	0.424	89.5	5 17 103 108	5 1703
2193	9.0	31 29.22	2.9348	0.0006	5 56 50.1	2.746	0.423	91.1	202 214	5 1707
2194	9.0	31 30.01	2.9595	0.0005	4 53 17.4	2.747	0.426	90.1	87 97	4 1581
2195	9.0	31 36.41	2.9913	0.0004	3 30 59.7	2.757	0.431	90.3	5 Beob.	3 1510
2196	5.8	6 31 39.93	+2.9539	+0.0005	−5 7 41.0	−2.762	−0.425	91.7	218 316	5 1710
2197	9.0	31 40.45	2.9939	0.0004	3 24 20.0	2.762	0.431	91.7	223 318	3 1511
2198	8.7	31 55.07	3.0267	0.0003	1 59 24.8	2.784	0.436	91.8	220 300 320	1 1298
2199	8.6	32 0.42	2.9916	0.0004	3 30 28.4	2.791	0.431	90.1	98 107	3 1513
2200	9.1	32 0.72	2.9625	0.0005	4 45 38.6	2.792	0.427	90.6	17 316	4 1585

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2201	7.5	$6^{h}\ 32^{m}\ 3^{s}.43$	$+3^{s}.0243$	$+0^{s}.0003$	$-2°\ 5'\ 42''.9$	$-2''.796$	$-0''.435$	91.1	84 96 304 320	2° 1680
2202	9.0	32 4.82	3.0079	0.0003	2 48 11.7	2.798	0.433	98.2	2 Beob.	2 1681
2203	9.0	32 43.38	2.9894	0.0004	3 36 8.0	2.853	0.430	90.1	87 97	3 1517
2204	9.1	32 50.35	2.9585	0.0004	4 55 58.4	2.863	0.426	91.5	202 214 323	[4 1591]
2205	9.0	32 50.44	2.9731	0.0004	4 18 23.4	2.864	0.428	90.1	103 108	4 1590
2206	9.0	6 32 58.24	+3.0243	+0.0002	−2 5 46.0	−2.875	−0.435	04.2	2 Beob.	2 1688
2207	8.8	33 1.72	2.9466	0.0005	5 26 51.3	2.880	0.424	91.0	5 309 318	5 1716
2208	9.0	33 1.89	2.9351	0.0005	5 56 20.7	2.880	0.422	91.1	199 210	5 1717
2209	9.0	33 15.04	2.9661	0.0004	4 36 31.0	2.899	0.427	91.8	218 300 320	4 1593
2210	9.0	33 18.50	2.9385	0.0005	5 47 43.9	2.904	0.423	90.6	17 316	5 1719
2211	6.4	6 33 19.03	+3.0160	+0.0002	−2 27 26.3	−2.905	−0.434	90.0	85 106	2 1691
2212	9.0	33 26.16	2.9763	0.0004	4 10 16.9	2.915	0.428	90.7	98 107 304	4 1595
2213	8.9	33 27.20	3.0276	0.0002	1 57 19.8	2.917	0.436	91.1	202 214	1 1310
2214	9.0	33 29.12	3.0191	0.0002	2 19 18.4	2.919	0.434	90.5	96 121 215	2 1693
2215	9.0	33 32.13	2.9607	0.0004	4 50 21.8	2.924	0.426	91.1	199 210 223	4 1596
2216	8.5	6 33 38.41	+2.9755	+0.0004	−4 12 21.2	−2.933	−0.428	90.4	98 107 121 215	4 1597
2217	8.5	33 48.40	2.9522	0.0004	5 12 35.2	2.947	0.425	91.3	3 Beob.	5 1724
2218	9.6	33 58.64	2.9983	0.0003	3 13 10.8	2.962	0.431	92.0	304 312	[3 1527]
2219	9.0	34 8.28	2.9988	0.0003	3 11 54.0	2.976	0.431	90.5	5 Beob.	3 1529
2220	9.3	34 10.78	2.9984	0.0003	3 12 59.7	2.979	0.431	98.1	2 Beob.	3 1530
2221	9.0	6 34 13.28	+3.0048	+0.0002	−2 56 30.8	−2.983	−0.432	91.7	220 318	2 1699
2222	9.0	34 37.99	3.0101	0.0002	2 42 42.7	3.019	0.433	91.7	218 320	2 1701
2223	9.0	34 41.93	2.9693	0.0003	4 28 22.4	3.024	0.427	90.6	17 316	4 1604
2224	9.0	34 47.09	2.9502	0.0004	5 17 42.0	3.032	0.424	91.0	5 300 323	5 1728
2225	9.1	34 53.44	2.9499	0.0004	5 18 38.4	3.041	0.424	91.0	5 300 323	5 1731
2226	9.0	6 34 58.80	+2.9973	+0.0002	−3 16 7.3	−3.049	−0.431	91.7	218 318	3 1536
2227	7.8	35 3.87	3.0203	0.0001	2 16 14.0	3.056	0.434	90.0	84 96	2 1704
2228	8.5	35 5.04	2.9662	0.0003	4 36 29.0	3.058	0.426	91.1	202 214	4 1607
2229	9.0	35 11.73	2.9687	0.0003	4 30 11.0	3.067	0.426	91.7	223 316	4 1609
2230	8.0	35 12.88	2.9525	0.0004	5 11 55.2	3.069	0.424	92.1	312 320	5 1735
2231	8.5	6 35 13.38	+3.0052	+0.0002	−2 55 29.5	−3.070	−0.432	92.1	309 318	2 1706
2232	7.7	35 18.67	2.9718	0.0003	4 22 12.6	3.077	0.427	91.7	223 320	4 1610
2233	9.0	35 20.79	2.9660	0.0003	4 37 3.7	3.080	0.426	91.1	202 214	4 1611
2234	8.2	35 22.40	2.9971	0.0002	3 16 39.2	3.083	0.430	90.1	87 97	3 1537
2235	9.1	35 23.04	2.9933	0.0002	3 26 27.5	3.084	0.430	90.1	103 108	3 1538
2236	8.7	6 35 31.03	+2.9935	+0.0002	−3 25 55.7	−3.095	−0.430	90.1	103 108	3 1542
2237	9.0	35 39.34	2.9810	0.0002	3 58 28.2	3.107	0.428	92.1	309 316	3 1544
2238	8.8	35 58.92	2.9694	0.0003	4 28 30.9	3.135	0.426	91.1	202 214	4 1616
2239	8.8	35 58.94	2.9470	0.0004	5 26 27.0	3.135	0.423	91.7	218 318	5 1744
2240	7.7	36 14.64	2.9430	0.0004	5 36 43.7	3.158	0.422	91.6	223 300	5 1747
2241	8.0	6 36 20.79	+3.0208	+0.0001	−2 15 6.8	−3.167	−0.434	90.0	84 96	2 1716
2242	9.0	36 21.08	2.9390	0.0004	5 47 0.7	3.167	0.422	92.1	304 316	5 1748
2243	8.2	36 32.33	2.9831	0.0002	3 52 59.9	3.183	0.428	90.1	87 97	3 1553
2244	8.5	36 36.01	2.9329	0.0004	6 2 48.4	3.189	0.421	90.1	103 108	6 1679
2245	8.5	36 55.03	2.9327	0.0004	6 3 29.0	3.216	0.421	90.1	103 108	6 1682
2246	8.9	6 37 5.75	+2.9650	+0.0002	−4 40 9.7	−3.232	−0.425	91.8	218 300 320	4 1620
2247	9.0	37 11.26	2.9497	0.0003	5 19 45.7	3.239	0.423	91.7	223 316	5 1751
2248	7.0	37 14.05	2.9336	0.0003	6 1 5.6	3.243	0.421	92.0	298 304	5 1753
2249	8.7	37 14.60	3.0043	0.0001	2 58 14.7	3.244	0.431	91.1	202 214	2 1725
2250	8.2	37 16.45	2.9833	0.0002	3 52 44.8	3.247	0.428	90.1	87 97	3 1555

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2251	9.0	6h 37m 23s.29	+2s.9953	+0s.0001	−3° 21′ 30″.1	−3s.257	−0s.430	92.1	309 318	3° 1556
2252	8.5	37 29.27	2.9988	+0.0001	3 12 29.0	3.265	0.430	91.1	199 210	3 1557
2253	9.2	37 34.23	2.9348	+0.0003	5 58 9.3	3.272	0.421	91.8	220 300 320	5 1755
2254	7.7	37 39.04	2.9865	+0.0001	3 44 19.0	3.279	0.428	90.1	98 107	3 1560
2255	9.2	37 40.08	3.0221	0.0000	2 11 51.5	3.281	0.433	90.0	84 96	[2 1728]
2256	9.0	6 37 48.74	+2.9867	+0.0001	−3 44 3.5	−3.293	−0.428	91.1	98 107 309 318	3 1562
2257	8.8	37 49.17	3.0117	0.0000	2 38 54.1	3.294	0.432	91.1	202 214	2 1729
2258	7.0	37 49.90	2.9795	+0.0002	4 2 37.2	3.295	0.427	91.1	204 216	4 1627
2259	9.0	37 57.79	2.9399	+0.0003	5 45 14.4	3.306	0.421	91.6	218 223 298 320	5 1759
2260	8.8	37 57.94	3.0266	0.0000	2 0 8.0	3.307	0.434	91.2	112 316	1 1344
2261	8.5	6 38 0.14	+3.0085	0.0000	−2 47 19.0	−3.310	−0.431	90.7	121 215	2 1732
2262	9.0	38 10.57	2.9650	+0.0002	4 40 24.5	3.325	0.425	90.1 89.9	21δ[1] 103 108	4 1632
2263	8.5	38 12.87	3.0116	0.0000	2 39 10.6	3.328	0.432	91.1	202 214	2 1734
2264	9.0	38 29.98	2.9431	+0.0003	5 37 5.2	3.353	0.422	91.2	204 216 220	5 1763
2265	9.1	38 31.95	2.9731	+0.0002	4 19 16.5	3.356	0.426	91.1	87 97 304 318	4 1635
2266	9.3	6 38 40.85	+2.9727	+0.0001	−4 20 21.5	−3.368	−0.426	91.6	199 210 304 318	4 1636
2267	9.1	39 11.55	2.9738	+0.0001	4 17 34.6	3.412	0.426	89.8 89.9	21[2] 98 107	4 1640
2268	8.5	39 22.93	3.0191	−0.0001	2 19 46.5	3.429	0.432	90.0	84 96	2 1741
2269	8.7	39 25.00	2.9690	+0.0001	4 30 4.3	3.432	0.425	90.1	103 108	4 1641
2270	9.0	39 27.51	2.9342	+0.0003	6 0 14.5	3.435	0.420	91.2	204 216 220	5 1771
2271	9.0	6 39 36.47	+2.9716	+0.0001	−4 23 27.8	−3.448	−0.425	91.1	199 210 218	4 1642
2272	8.8	39 48.33	2.9739	+0.0001	4 17 28.9	3.465	0.426	90.3	6 Beob.	4 1644
2273	8.8	39 55.49	3.0089	−0.0001	2 46 27.0	3.476	0.431	91.4	112 298 316	2 1744
2274	9.2	40 2.44	3.0101	−0.0001	2 43 18.9	3.486	0.431	91.4	112 223 300 316	2 1746
2275	8.0	40 6.09	2.9381	+0.0002	5 50 24.0	3.491	0.420	91.1	199 210	5 1777
2276	8.8	6 40 10.07	+3.0269	−0.0001	−1 59 33.7	−3.496	−0.433	91.1	202 214 218	1 1362
2277	8.9	40 18.02	2.9842	0.0000	3 50 47.0	3.508	0.427	90.4	21 121 215 223	3 1576
2278	8.8	41 0.00	2.9877	0.0000	3 41 56.1	3.568	0.427	90.1	103 108	3 1581
2279	9.0	41 2.64	2.9416	+0.0002	5 41 34.3	3.572	0.421	90.1	87 97	5 1786
2280	9.0	41 8.80	3.0202	−0.0002	2 17 6.2	3.581	0.432	90.0	84 96	2 1754
2281	9.5	6 41 9.86	+2.9495	+0.0001	−5 21 2.9	−3.582	−0.422	91.2	5 Beob.	5 1788
2282	9.0	41 17.53	2.9561	+0.0001	5 3 58.6	3.593	0.423	91.1	204 216	5 1790
2283	8.2	41 18.91	2.9543	+0.0001	5 8 40.7	3.595	0.422	91.1	199 210	5 1791
2284	9.0	41 19.67	2.9491	+0.0001	5 22 6.9	3.596	0.422	91.0	107 300	5 1792
2285	9.0	41 29.98	3.0266	−0.0002	2 0 36.7	3.611	0.433	91.4	112 218 298 320	1 1372
2286	9.2	6 41 48.26	+2.9476	+0.0001	−5 26 7.9	−3.637	−0.421	91.1	202 214	5 1796
2287	9.0	41 51.99	3.0130	−0.0002	2 35 56.8	3.643	0.430	90.7	121 215	2 1762
2288	8.0	41 53.27	2.9337	+0.0002	6 2 16.6	3.645	0.419	91.1	204 216	5 1797
2289	9.0	42 16.77	3.0292	−0.0003	1 53 45.9	3.678	0.433	91.7	220 318	1 1377
2290	9.0	42 18.99	2.9460	+0.0001	5 30 24.6	3.681	0.421	91.6	218 300	5 1800
2291	8.9	6 42 20.10	+3.0198	−0.0002	−2 18 28.3	−3.683	−0.431	91.0	112 298	2 1766
2292	8.8	42 22.19	2.9374	+0.0001	5 52 42.8	3.686	0.419	90.4	21 199 210	5 1803
2293	7.9	43 1.33	2.9568	0.0000	5 2 39.4	3.742	0.422	91.1	204 216	4 1665
2294	8.0	43 1.67	2.9776	−0.0001	4 8 34.2	3.743	0.425	90.4	98 107 121 215	4 1664
2295	9.0	43 5.77	3.0296	−0.0003	1 52 50.7	3.748	0.432	91.7	218 320	1 1384
2296	9.3	6 43 25.63	+3.0249	−0.0003	−2 5 10.0	−3.777	−0.432	91.2	112 320	[2 1771]
2297	8.1	43 26.57	2.9673	0.0000	4 35 28.5	3.778	0.423	90.6	21 309	4 1667
2298	8.5	43 28.28	2.9747	−0.0001	4 16 13.4	3.781	0.424	91.7	220 316	4 1668
2299	8.8	43 29.34	2.9646	0.0000	4 42 21.8	3.782	0.423	91.1	199 210	4 1669
2300	8.5	43 29.97	2.9950	−0.0002	3 23 11.7	3.783	0.427	91.8	223 300 320	3 1600

[1] ½ [2] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2301	9.0	6h 43m 33s.00	+2s.9631	0s.0000	−4° 46′ 24″.4	−3″.788	−0″.423	91.1	204 216	4° 1671
2302	(7.8)[1]	43 38.00	2.9818	−0.0001	3 57 43.7	3.795	0.425	90.7	121 215	3 1603
2303	9.1	43 48.50	2.9379	+0.0001	5 51 50.0	3.810	0.419	91.8	220 298 318	5 1809
2304	8.7	44 1.11	2.9943	−0.0002	3 25 6.0	3.828	0.427	91.1	202 214	3 1605
2305	8.7	44 1.15	2.9675	−0.0001	4 35 8.9	3.828	0.423	91.1	199 210	4 1676
2306	9.0	6 44 7.65	+2.9723	−0.0001	−4 22 35.5	−3.837	−0.424	91.7	218 316	4 1678
2307	9.0	44 12.49	2.9990	−0.0002	3 13 2.7	3.844	0.428	90.8	98 107 320	3 1606
2308	6.1	44 14.23	3.0232	−0.0003	2 9 32.7	3.847	0.431	90.7	121 215	2 1776
2309	9.0	44 30.73	2.9334	+0.0001	6 3 50.3	3.870	0.418	89.8	21 103 108	6 1753
2310	9.0	44 47.23	2.9312	0.0000	6 9 35.6	3.894	0.418	91.1	204 216	6 1758
2311	9.0	6 44 52.89	+3.0268	−0.0004	−2 0 25.7	−3.902	−0.431	90.1	87 97	1 1397
2312	8.5	44 57.37	3.0232	−0.0004	2 9 53.3	3.908	0.431	91.4	112 298 318	2 1783
2313	9.2	44 59.34	2.9868	−0.0002	3 44 54.1	3.911	0.426	91.4	100 309 323	3 1612
2314	7.5	45 0.75	2.9488	0.0000	5 23 55.6	3.913	0.420	91.1	199 210	5 1815
2315	8.5	45 13.19	2.9420	0.0000	5 41 47.3	3.931	0.419	91.1	202 214	5 1820
2316	9.0	6 45 15.42	+3.0050	−0.0003	−2 57 20.7	−3.934	−0.428	90.0	84 96	2 1784
2317	8.9	45 17.33	2.9340	0.0000	6 2 25.4	3.937	0.418	90.1	103 108	5 1821
2318	9.0	45 18.60	2.9574	−0.0001	5 1 36.1	3.939	0.421	91.8	6 Beob.	4 1683
2319	8.2	45 27.84	2.9332	0.0000	6 4 38.4	3.952	0.418	89.8	21 103 108	6 1764
2320	(9.5)[2]	45 29.56	2.9866	−0.0002	3 45 35.9	3.954	0.425	97.1	2 Beob.	— —
2321	7.2	6 45 45.64	+2.9777	−0.0002	−4 8 59.3	−3.977	−0.424	90.5	5 Beob.	4 1685
2322	8.8	45 59.20	2.9866	−0.0002	3 45 38.3	3.997	0.425	91.0	100 304	3 1617
2323	8.2	46 0.12	2.9778	−0.0002	4 8 35.3	3.998	0.424	91.2	204 216 220	4 1688
2324	8.2	46 7.51	3.0080	−0.0003	2 49 50.9	4.008	0.428	90.7	121 215	2 1794
2325	8.7	46 11.29	2.9723	−0.0002	4 23 2.1	4.014	0.423	91.1	202 214	4 1691
2326	8.0	6 46 19.20	+2.9950	−0.0003	−3 23 45.3	−4.025	−0.426	90.1	87 97	3 1620
2327	9.0	46 21.56	2.9812	−0.0002	3 59 44.9	4.029	0.424	91.1	204 216	3 1621
2328	9.5	46 24.42	2.9674	−0.0002	4 35 47.0	4.033	0.422	91.5 91.4	199 210δ[3] 223 318	[4 1693]
2329	8.8	46 30.38	3.0064	−0.0003	2 53 55.3	4.041	0.428	91.0	100 304	2 1796
2330	9.0	46 32.89	2.9345	0.0000	6 1 30.7	4.045	0.417	90.1	21 218	5 1833
2331	7.0	6 46 39.21	+3.0205	−0.0004	−2 17 3.0	−4.054	−0.430	90.1	103 108	2 1798
2332	9.4	46 44.24	2.9796	−0.0002	4 4 1.1	4.061	0.424	91.9	218 298 316 323	4 1695
2333	7.7	46 49.36	3.0257	−0.0004	2 3 25.3	4.068	0.430	91.4	112 300 320	2 1801
2334	8.5	46 52.23	2.9497	−0.0001	5 22 12.7	4.072	0.419	90.1	98 107	5 1836
2335	9.0	46 53.91	3.0234	−0.0004	2 9 23.1	4.075	0.430	90.7	121 215	2 1802
2336	9.0	6 46 54.80	+3.0268	−0.0005	−2 0 29.0	−4.076	−0.430	91.9	220 300 316 323	1 1415
2337	7.2	47 17.61	2.9461	−0.0001	5 31 31.0	4.109	0.419	91.5 91.4	199 210δ[3] 304	5 1839
2338	9.0	47 22.55	3.0218	−0.0005	2 13 46.6	4.116	0.430	91.9	223 298 316 323	2 1805
2339	6.9	47 26.35	2.9570	−0.0002	5 3 11.9	4.121	0.420	91.1	202 214	5 1844
2340	6.3	47 27.71	2.9538	−0.0001	5 11 43.8	4.123	0.420	91.7	218 318	5 1845
2341	8.5	6 47 28.38	+3.0055	−0.0004	−2 56 33.6	−4.124	−0.427	90.0	84 96	2 1806
2342	9.1	47 29.81	2.9375	−0.0001	5 54 3.4	4.126	0.417	90.4	21 204 216	5 1846
2343	9.0	47 34.85	2.9360	−0.0001	5 58 6.7	4.133	0.417	91.1	204 216	5 1848
2344	9.0	47 35.57	2.9755	−0.0002	4 15 1.3	4.134	0.423	90.1	87 97	4 1703
2345	9.0	47 41.83	2.9442	−0.0001	5 36 45.7	4.143	0.418	91.7	220 316	5 1850
2346	9.3	6 47 43.35	+3.0288	−0.0005	−1 55 30.2	−4.145	−0.430	90.8	103 108 320	[1 1425]
2347	8.8	47 44.54	2.9914	−0.0003	3 33 31.0	4.147	0.425	90.1	89 100	3 1630
2348	9.0	47 47.63	2.9511	−0.0001	5 18 43.8	4.151	0.419	90.1	98 107	5 1851
2349	9.2	47 52.28	2.9662	−0.0002	4 39 16.5	4.158	0.421	91.8	220 300 320	4 1706
2350	8.9	47 52.73	3.0214	−0.0005	2 14 46.4	4.159	0.429	91.2	112 318	2 1808

[1] Dupl. maj. [2] Schätzung 04.167 [3] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2351	8.8	6h 47m 55s.80	+3s.0056	−0s.0004	−2° 56' 24".8	−4".163	−0".427	90.0	84 96	2° 1809
2352	8.8	48 9.07	2.9670	0.0002	4 37 18.0	4.182	0.421	91.6	223 300	4 1707
2353	9.0	48 14.34	2.9709	0.0003	4 27 14.0	4.190	0.422	92.1	304 318	4 1708
2354	8.8	48 18.74	2.9470	0.0002	5 29 39.4	4.196	0.418	91.5	199 210δ[1] 309	5 1854
2355	8.3	48 19.39	2.9392	0.0001	5 50 1.5	4.197	0.417	91.1	202 214	5 1856
2356	9.1	6 48 51.01	+2.9571	−0.0002	−5 3 33.0	−4.242	−0.420	90.1	21 223	5 1860
2357	8.8	48 57.26	2.9754	0.0003	4 15 40.5	4.251	0.422	90.1	5 Beob.	4 1713
2358	8.3	48 58.56	2.9752	0.0003	4 16 6.0	4.253	0.422	90.1	6 Beob.	4 1714
2359	8.9	48 58.82	2.9638	0.0003	4 46 3.8	4.253	0.420	92.2	316 323	4 1715
2360	8.9	49 2.71	3.0132	0.0005	2 36 31.0	4.258	0.428	91.1	204 216	2 1816
2361	9.0	6 49 13.13	+2.9943	−0.0004	−3 26 12.2	−4.273	−0.425	92.1	309 318	3 1638
2362	6.4	49 14.60	2.9417	0.0002	5 43 41.1	4.275	0.417	91.1	202 214	5 1863
2363	9.2	49 15.06	3.0142	0.0005	2 33 53.5	4.276	0.428	92.2	318 323	2 1819
2364	9.0	49 16.97	2.9314	0.0001	6 10 25.9	4.279	0.416	92.1	298 323	6 1805
2365	9.1	49 19.87	3.0133	0.0005	2 36 23.4	4.283	0.427	91.1	204 216	2 1820
2366	9.0	6 49 20.09	+2.9781	−0.0003	−4 8 31.7	−4.283	−0.422	92.1	304 316	4 1718
2367	8.0	49 20.20	2.9379	0.0002	5 53 37.4	4.283	0.417	92.0	298 304	5 1864
2368	9.0	49 20.92	2.9636	0.0003	4 46 29.7	4.284	0.420	94.8	7 Beob.	4 1719
2369	9.1	49 23.57	2.9389	0.0002	5 51 4.7	4.288	0.417	92.0	298 304 326	5 1867
2370	9.2	49 24.08	3.0124	0.0005	2 38 44.4	4.289	0.427	92.2	326 332	2 1821
2371	8.8	6 49 26.20	+2.9334	−0.0001	−6 5 24.3	−4.292	−0.416	92.1	309 326	6 1807
2372	8.2	49 34.03	2.9819	0.0004	3 58 38.8	4.303	0.423	91.7	223 316	3 1641
2373	9.0	49 56.96	2.9995	0.0005	3 12 46.8	4.336	0.425	90.0	84 96	3 1642
2374	6.3	49 57.83	3.0117	0.0005	2 40 37.9	4.337	0.427	90.1	89 100	2 1827
2375	8.7	49 58.92	2.9422	0.0002	5 42 43.9	4.338	0.417	91.1	202 214	5 1868
2376	7.8	6 50 6.99	+3.0191	−0.0006	−2 21 15.8	−4.350	−0.428	90.1	103 108	2 1829
2377	9.0	50 16.67	3.0127	0.0005	2 38 6.7	4.364	0.427	91.0	100 304	2 1830
2378	9.2	50 46.58	2.9563	0.0003	5 5 57.6	4.406	0.419	90.7	87 97 304	5 1872
2379	8.7	50 48.47	2.9605	0.0003	4 55 1.6	4.409	0.419	91.8	214 298 318	4 1731
2380	8.6	51 0.22	3.0033	0.0005	3 2 45.4	4.426	0.425	91.1	204 216	2 1835
2381	8.6	6 51 1.92	+3.0027	−0.0005	−3 4 24.9	−4.428	−0.425	91.1	204 216	3 1650
2382	9.2	51 2.75	2.9587	0.0003	4 59 48.6	4.429	0.419	91.8	223 298 318	4 1736
2383	9.0	51 7.36	2.9438	0.0003	5 38 56.7	4.436	0.417	91.8	220 300 316	5 1873
2384	8.7	51 20.32	2.9889	0.0005	3 40 39.4	4.454	0.423	90.7	121 215	3 1651
2385	9.0	51 20.99	3.0258	0.0007	2 3 43.7	4.455	0.428	90.8 90.9	103[2] 108 316	2 1840
2386	8.5	6 51 35.15	+2.9895	−0.0005	−3 39 15.5	−4.475	−0.423	90.1	89 100	3 1653
2387	8.5	51 46.99	2.9925	0.0005	3 31 22.4	4.492	0.423	94.8	3 Beob.	3 1655
2388	9.0	51 47.05	2.9310	0.0002	6 12 27.6	4.492	0.415	90.5	21 304	6 1836
2389	9.0	51 48.84	2.9475	0.0003	5 29 27.7	4.495	0.417	90.2	110 122	5 1878
2390	7.6	51 52.77	2.9916	0.0005	3 33 38.9	4.500	0.423	90.1	112 118	3 1657
2391	8.5[3]	6 51 57.97	+2.9508	−0.0003	−5 20 54.0	−4.508	−0.417	91.1	202 214	5 1881
2392	9.0	51 58.20	3.0297	0.0007	1 53 22.5	4.508	0.428	91.7	220[1] 223 300 318	1 1470
2393	8.5	51 59.16	2.9536	0.0003	5 13 37.4	4.510	0.418	91.1	199 210	5 1882
2394	9.1	52 10.43	3.0193	0.0007	2 20 58.2	4.526	0.427	90.7	87 97 309	2 1844
2395	9.0	52 20.36	2.9762	0.0005	4 14 22.7	4.540	0.421	91.8	218 298 316	4 1744
2396	8.5	6 52 22.76	+2.9803	−0.0005	−4 3 43.5	−4.543	−0.421	90.1	103 108	4 1745
2397	9.0	52 22.79	2.9378	0.0003	5 54 56.1	4.543	0.415	97.6 96.3	3 Beob.	5 1886
2398	9.2	52 24.73	3.0089	0.0006	2 48 20.8	4.546	0.425	90.7	121 215	2 1847
2399	8.7	52 28.60	2.9522	0.0003	5 17 13.7	4.551	0.417	91.4 91.7	110[2] 300 326	5 1888
2400	8.7	52 30.78	2.9916	0.0005	3 33 54.8	4.554	0.423	91.1	202 214	3 1664

[1] ½ [2] δ ½ [3] Dupl. 3r med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
2401	9.3	6^h 52^m $35^s.05$	+3^s.0239	−0^s.0007	−2° 8′ 57″.5	−4″.560	−0″.427	91.6	218 223 298 316	[2° 1849]
2402	9.4	52 42.42	3.0106	0.0006	2 43 49.3	4.571	0.426	91.6	214 220 300 326	2 1851
2403	9.0	52 44.58	2.9515	0.0004	5 19 15.9	4.574	0.417	90.4	21 122 304	5 1892
2404	9.4	52 53.40	3.0143	0.0007	2 34 15.5	4.587	0.426	90.7	89 100 309	2 1854
2405	8.8	53 15.97	2.9603	0.0004	4 56 25.9	4.619	0.418	97.6 96.3	3 Beob.	4 1750
2406	9.0	6 53 21.97	+2.9702	−0.0005	−4 30 19.8	−4.627	−0.419	91.1	199 210	4 1751
2407	9.2	53 25.07	3.0174	0.0007	2 26 0.6	4.631	0.426	90.3	5 Beob.	2 1855
2408	8.0	53 26.97	2.9729	0.0005	4 23 27.1	4.634	0.420	90.1	103 108	4 1752
2409	7.8	53 27.63	3.0071	0.0007	2 53 20.6	4.635	0.425	90.0	84 96	2 1856
2410	8.2	53 38.75	2.9727	0.0005	4 23 55.0	4.651	0.420	90.1	103 108	4 1756
2411	9.0	6 53 50.35	+2.9722	−0.0005	−4 25 23.1	−4.667	−0.420	92.1	298 318	4 1759
2412	8.0	53 58.93	2.9845	0.0006	3 52 58.2	4.680	0.421	90.1	112 118	3 1672
2413	9.0	54 4.24	2.9762	0.0005	4 14 56.6	4.687	0.420	91.4	110 218 298 316	4 1761
2414	9.1	54 9.15	3.0025	0.0007	3 5 36.2	4.694	0.424	90.8	112 118 309	3 1674
2415	9.0	54 12.34	2.9530	0.0004	5 15 50.1	4.699	0.417	89.8	21 110 122	5 1899
2416	9.0	6 54 19.43	+2.9709	−0.0005	−4 28 57.1	−4.709	−0.419	90.7	121 215	4 1763
2417	8.2	54 24.48	2.9528	0.0004	5 16 24.4	4.716	0.416	90.4	21 204 216	5 1900
2418	9.7	54 32.78	3.0179	0.0008	2 25 3.1	4.727	0.426	91.4	100 304 316	[2 1866]
2419	9.0	54 34.85	2.9489	0.0004	5 26 36.5	4.730	0.416	91.1	199 210	5 1901
2420	9.0	54 39.31	2.9668	0.0005	4 39 44.3	4.737	0.418	91.1	202 214	4 1766
2421	9.4	6 54 39.36	+3.0258	−0.0008	−2 4 12.9	−4.737	−0.427	91.6	218 223 298 318	[2 1867]
2422	9.0	54 44.18	2.9801	0.0006	4 4 43.0	4.744	0.420	91.0	87 304	4 1767
2423	9.0	54 54.24	2.9710	0.0005	4 28 42.1	4.758	0.419	91.1	204 216	4 1769
2424	9.4	54 58.72	3.0293	0.0008	1 54 52.2	4.764	0.427	97.7	2 Beob.	1 1493
2425	8.9	54 59.11	3.0282	0.0008	1 57 50.6	4.765	0.427	91.1	202 214	1 1494
2426	8.8	6 55 0.32	+3.0097	−0.0007	−2 46 50.0	−4.767	−0.424	90.0	84 96	2 1869
2427	9.0	55 4.10	2.9960	0.0007	3 22 51.8	4.772	0.422	90.1	103 108	3 1680
2428	8.8	55 9.40	3.0112	0.0008	2 42 40.2	4.779	0.424	90.1	112 118	2 1870
2429	8.7	55 13.95	2.9351	0.0004	6 3 5.5	4.786	0.414	91.8	218 300 326	5 1907
2430	9.7	55 14.08	3.0193	0.0008	2 21 20.8	4.786	0.426	91.1	199 210	[2 1871]
2431	9.3	6 55 14.27	+2.9537	−0.0005	−5 14 22.4	−4.786	−0.416	91.5	122 309 318	5 1908
2432	8.8	55 17.59	2.9712	0.0005	4 28 16.5	4.791	0.419	91.1	204 216	4 1772
2433	8.2	55 20.46	3.0207	0.0008	2 17 34.8	4.795	0.426	90.7	121 215	2 1873
2434	6.5	55 23.59	2.9539	0.0005	5 13 49.7	4.800	0.416	90.5	21 304	5 1910
2435	9.0	55 24.99	2.9383	0.0004	5 54 50.5	4.801	0.414	91.8	220 300 326	5 1911
2436	7.3	6 55 26.85	+2.9435	−0.0004	−5 41 14.7	−4.804	−0.415	91.8	220 298 326	5 1912
2437	9.0	55 37.59	2.9511	0.0005	5 21 20.6	4.819	0.416	91.1	202 214	5 1913
2438	9.3	55 43.94	2.9920	0.0007	3 33 30.3	4.828	0.421	91.1	199 210 223	[3 1682]
2439	9.0	55 54.33	2.9638	0.0005	4 47 58.6	4.843	0.417	91.1	97 316	4 1774
2440	7.7	56 1.85	3.0022	0.0007	3 6 42.9	4.854	0.423	91.1 90.9	89 100δ[1] 318	3 1685
2441	8.5	6 56 6.62	+2.9859	−0.0007	−3 49 48.2	−4.860	−0.420	90.1	112 118	3 1686
2442	9.0	56 13.77	3.0271	0.0009	2 0 49.7	4.870	0.426	90.7	121 215	1 1504
2443	9.0	56 16.32	2.9606	0.0005	4 56 32.4	4.874	0.417	89.8	21 110 122	4 1779
2444	8.0	56 26.59	3.0053	0.0008	2 58 33.4	4.889	0.423	90.1	84 96 103 108	2 1885
2445	9.0	56 26.60	3.0055	0.0008	2 58 10.9	4.889	0.423	90.1	103 108	2 1886
2446	8.3	6 56 30.49	+2.9361	−0.0004	−6 0 52.5	−4.894	−0.413	91.7	218 318	5 1921
2447	9.0	56 37.38	2.9566	0.0005	5 7 13.1	4.904	0.416	91.7	220 316	5 1923
2448	8.2	56 42.09	2.9326	0.0004	6 10 10.9	4.911	0.413	91.1	199 210	6 1887
2449	5.0	57 1.97	2.9462	0.0005	5 34 45.6	4.939	0.414	91.7	223 316	5 1926
2450	9.0	57 6.09	2.9849	0.0007	3 52 34.1	4.945	0.420	91.7	218 326	3 1693

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2451	7.0	6h 57m 7s.77	+2s.9910	—0s.0007	—3° 36' 41".8	—4".947	—0".421	90.1	112 118	3° 1694
2452	7.3	57 13.77	2.9393	0.0005	5 52 42.7	4.955	0.413	90.5	21 304	5 1927
2453	(9.0)[1]	57 25.36	2.9595	0.0006	4 59 48.0	4.972	0.416	98.2	2 Beob.	4 1784
2454	8.7	57 25.44	2.9978	0.0008	3 18 41.2	4.972	0.421	91.9	220 318 326	3 1698
2455	9.0	57 25.62	3.0008	0.0008	3 10 39.1	4.972	0.422	91.2	100 332	3 1699
2456	8.5	6 57 36.80	+2.9710	—0.0006	—4 29 25.9	—4.988	—0.418	95.7 94.8	3 Beob.	4 1785
2457	9.0	57 49.83	3.0262	0.0010	2 3 21.4	5.006	0.425	90.7	121 215	1 1514
2458	8.7	57 54.80	3.0301	0.0010	1 53 7.5	5.013	0.426	97.2	2 Beob.	[1 1516]
2459	**5.4**	**57 56.89**	**2.9801**	**0.0007**	**4 5 38.8**	**5.016**	**0.419**		**Fund. Kat.**	**4 1788**
2460	9.0	58 9.36	2.9681	0.0006	4 37 22.0	5.034	0.417	91.1	199 210	4 1790
2461	8.7	6 58 16.20	+3.0295	—0.0010	—1 54 42.8	—5.043	—0.425	97.2	2 Beob.	1 1517
2462	9.0	58 19.02	2.9852	0.0008	3 52 19.7	5.048	0.419	91.7	220 318	3 1704
2463	8.0	58 24.84	3.0077	0.0009	2 52 42.8	5.056	0.422	90.0	84 96	2 1899
2464	8.3	58 28.97	2.9796	0.0007	4 7 10.4	5.062	0.418	90.7	121 215	4 1793
2465	9.0	58 31.30	2.9673	0.0007	4 39 31.2	5.065	0.416	91.6 91.5	199 210δ[2] 311	4 1794
2466	8.3	6 58 35.32	+3.0202	—0.0010	—2 19 38.3	—5.070	—0.424	91.7	218 320	2 1900
2467	9.1	58 59.44	3.0224	0.0010	2 13 47.2	5.105	0.424	91.1	89 320	2 1904
2468	8.3	59 3.02	2.9715	0.0007	4 28 34.1	5.110	0.417	90.1	103 108	4 1797
2469	9.0	59 8.93	2.9442	0.0006	5 40 34.7	5.118	0.413	91.7	223 318	5 1942
2470	5.8	59 9.83	2.9556	0.0006	5 10 34.0	5.119	0.414	92.0	298 304 326	5 1943
2471	8.5	6 59 11.72	+3.0286	—0.0010	—1 57 11.9	—5.122	—0.425	91.6	220 300	1 1525
2472	9.0	59 12.62	3.0026	0.0009	3 6 20.0	5.123	0.421	90.1	112 118	3 1713
2473	8.6	59 20.55	3.0072	0.0009	2 54 4.3	5.134	0.422	90.0	84 96	2 1908
2474	8.7	59 24.05	2.9561	0.0006	5 9 24.7	5.139	0.414	91.8	218 298 326	5 1945
2475	9.3	59 27.90	2.9393	0.0005	5 53 43.4	5.145	0.412	91.1	204 216	5 1946
2476	9.0	6 59 37.42	+2.9745	—0.0007	—4 20 48.2	—5.158	—0.417	90.7	121 215	4 1799
2477	9.1	59 38.93	2.9766	0.0008	4 15 21.8	5.160	0.417	91.6 91.5	199 210δ[2] 311	4 1800
2478	9.0	59 44.74	2.9638	0.0007	4 49 15.1	5.168	0.415	91.8	223 300 333	4 1802
2479	9.0[3]	7 0 0.91	2.9455	0.0006	5 37 30.0	5.191	0.413	97.2	2 Beob.	5 1954
2480	9.0	0 2.71	2.9735	0.0008	4 23 42.2	5.194	0.417	91.1	202 214	4 1806
2481	9.0	7 0 3.37	+2.9401	—0.0006	—5 51 59.5	—5.195	—0.412	90.5	21 304	5 1955
2482	8.9	0 3.86	2.9450	0.0006	5 38 56.1	5.195	0.413	91.1	204 216	5 1956
2483	9.0	0 14.62	2.9484	0.0006	5 30 10.9	5.210	0.413	90.8	103 108 326	5 1957
2484	8.8	0 27.55	3.0264	0.0011	2 3 19.3	5.229	0.424	90.8	112 118 332	1 1541
2485	9.4	0 27.88	2.9871	0.0008	3 47 38.8	5.229	0.418	91.4	89 298 318	[3 1725]
2486	9.2	7 0 37.33	+2.9736	—0.0008	—4 23 40.8	—5.242	—0.416	90.8	121 215 220	4 1810
2487	9.2	0 59.31	2.9739	0.0008	4 22 55.4	5.273	0.416	91.6	199 311	4 1815
2488	9.1	1 4.31	2.9846	0.0009	3 54 39.3	5.280	0.418	90.6	21 309	3 1727
2489	7.6	1 27.25	3.0060	0.0010	2 57 44.0	5.313	0.420	90.0	84 96	2 1925
2490	8.3	1 28.43	3.0025	0.0010	3 7 7.6	5.314	0.420	90.1	103 108	3 1732
2491	9.0	7 1 34.84	+2.9364	—0.0006	—6 2 14.7	—5.323	—0.411	90.2	110 122	5 1965
2492	8.7	1 35.36	2.9649	0.0008	4 46 51.3	5.324	0.415	91.1	202 214	4 1820
2493	9.0	1 35.62	2.9883	0.0009	3 44 48.6	5.324	0.418	91.8	220 298 326	3 1733
2494	9.0	1 35.81	3.0090	0.0010	2 49 42.9	5.325	0.421	91.6	218 223 300 318	2 1928
2495	8.5	1 37.32	3.0157	0.0011	2 32 3.6	5.327	0.422	91.1	118 304	2 1929
2496	8.8	7 1 38.89	+2.9940	—0.0009	—3 29 50.6	—5.329	—0.419	91.1	204 216	3 1735
2497	8.4	1 43.13	2.9411	0.0006	5 49 58.2	5.335	0.411	91.7	218 300[2] 318	5 1966
2498	9.0	1 43.59	3.0192	0.0011	2 22 38.7	5.336	0.422	91.5	199 304	2 1930
2499	8.0	1 49.13	3.0144	0.0011	2 35 37.3	5.343	0.421	90.7	121 215	2 1931
2500	8.0	2 4.25	2.9529	0.0007	5 18 59.7	5.365	0.413	90.6	21 309	5 1967

[1] Dupl. bor. [2] ½ [3] Dupl. 5" med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2501	9.0	7^h 2^m $9^s.04$	+$3^s.0170$	−$0^s.0011$	−2° 28′ 42″.1	−5″.371	−0″.422	91.1	202 214	2° 1934
2502	9.0	2 13.28	3.0037	0.0010	3 4 3.6	5.377	0.420	90.1	97 103[1] 108	3 1742
2503	8.3	2 15.34	3.0095	0.0011	2 48 36.4	5.380	0.420	91.1	204 216	2 1936
2504	9.0	2 16.41	2.9632	0.0008	4 51 34.0	5.382	0.414	91.4	89 298 318	4 1827
2505	9.0	2 18.07	2.9472	0.0007	5 34 4.4	5.384	0.412	90.2	110 122	5 1970
2506	9.2	7 2 32.35	+3.0127	−0.0011	−2 40 9.4	−5.404	−0.421	90.8	112 118 311	2 1937
2507	8.7	2 34.88	2.9387	0.0007	5 56 42.8	5.408	0.410	91.1	202 214	5 1975
2508	8.3	2 47.08	3.0004	0.0010	3 12 52.2	5.425	0.419	90.8	121 215 218	3 1750
2509	9.2	2 47.45	3.0126	0.0011	2 40 32.3	5.425	0.421	91.1	199 210 223	2 1939
2510	8.7	2 57.53	2.9824	0.0009	4 0 50.3	5.439	0.416	90.0	84 96	3 1751
2511	7.8	7 3 0.08	+2.9710	−0.0009	−4 31 15.7	−5.443	−0.415	90.5	21 304	4 1830
2512	8.4	3 12.11	3.0045	0.0011	3 2 4.2	5.460	0.419	91.6	97 300 309 326	2 1941
2513	8.7	3 12.53	3.0024	0.0011	3 7 49.1	5.461	0.419	91.1	204 216	3 1757
2514	9.0	3 44.36	2.9519	0.0008	5 22 4.1	5.505	0.412	91.2	110 122 311 326	5 1984
2515	8.8	3 49.60	3.0156	0.0012	2 32 40.5	5.513	0.420	91.7	220 320	2 1945
2516	8.6	7 3 49.64	+2.9851	−0.0010	−3 53 54.8	−5.513	−0.416	91.1	202 214	3 1762
2517	8.8	4 1.97	3.0053	0.0011	3 0 8.4	5.530	0.419	91.8	218 298 333	2 1949
2518	9.0	4 7.33	2.9500	0.0008	5 27 17.2	5.537	0.411	90.5	21 304	5 1987
2519	9.0	4 12.55	2.9656	0.0009	4 45 56.3	5.545	0.413	91.8	223 300 333	4 1838
2520	8.8	4 14.07	3.0007	0.0011	3 12 31.1	5.547	0.418	91.1	204 216	3 1766
2521	9.0	7 4 34.48	+2.9339	−0.0007	−6 10 12.6	−5.575	−0.409	91.7	220 320	6 1952
2522	7.9	4 38.42	2.9404	0.0007	5 53 0.6	5.581	0.410	95.4 96.1	3 Beob.	5 1993
2523	9.0	4 40.12	2.9487	0.0008	5 30 58.2	5.583	0.411	91.1	202 214	5 1994
2524	8.9	4 40.93	3.0034	0.0011	3 5 25.5	5.584	0.418	91.6	223 298	3 1770
2525	8.2	4 58.49	2.9475	0.0008	5 34 27.4	5.609	0.410	91.1	202 214	5 1997
2526	9.1	7 5 13.57	+3.0228	−0.0013	−2 13 36.9	−5.630	−0.421	91.1	204 216	2 1955
2527	**5.8**	**5 15.65**	**2.9812**	**0.0010**	**4 4 51.3**	**5.633**	**0.415**		**Fund. Kat.**	4 1840
2528	(9.0)[2]	5 19.40	2.9353	0.0007	6 6 58.8	5.638	0.408	91.7	223 320	6 1962
2529	9.1	5 21.92	3.0237	0.0013	2 11 11.9	5.642	0.421	91.1	204 216	2 1958
2530	9.0	5 25.86	2.9845	0.0010	3 55 58.9	5.647	0.415	92.1	298 304 333	3 1773
2531	9.0	7 5 27.53	+2.9834	−0.0010	−3 59 6.7	−5.650	−0.415	92.0	298 304	3 1774
2532	8.2	5 28.32	2.9781	0.0010	4 13 1.4	5.651	0.414	92.0	300 304	4 1841
2533	9.2	5 37.82	3.0129	0.0012	2 40 16.1	5.664	0.419	91.1	202 214	2 1962
2534	8.5	5 41.70	2.9706	0.0009	4 33 12.0	5.669	0.413	92.1	311 320	4 1842
2535	8.4	5 50.83	3.0191	0.0013	2 23 42.1	5.682	0.420	92.1	311 325	2 1963
2536	9.0	7 5 52.34	+3.0128	−0.0012	−2 40 41.2	−5.684	−0.419	91.1	202 214	2 1966
2537	9.0	5 58.60	2.9459	0.0008	5 38 56.1	5.693	0.409	92.2	323 324	5 2004
2538	8.8	5 59.09	2.9895	0.0011	3 42 52.8	5.694	0.416	91.4	97 298 333	3 1780
2539	8.6	6 0.01	2.9766	0.0010	4 17 11.0	5.695	0.414	92.0	300 304	4 1843
2540	9.0	6 2.16	2.9338	0.0007	6 11 6.2	5.698	0.408	92.1	311 320	6 1968
2541	7.2	7 6 4.35	+2.9891	−0.0011	−3 44 2.2	−5.701	−0.415	91.0	97 298	3 1781
2542	8.5	6 12.38	3.0092	0.0012	2 50 14.0	5.712	0.418	92.2	322 332	2 1969
2543	8.9	6 12.70	2.9538	0.0009	5 18 12.9	5.713	0.410	92.2	323 324	5 2006
2544	7.9	6 13.54	2.9710	0.0010	4 32 20.5	5.714	0.413	91.6	223 300	4 1845
2545	9.1	6 17.72	2.9986	0.0011	3 18 44.8	5.720	0.417	92.2	322 323	[3 1784]
2546	8.8	7 6 22.68	+2.9664	−0.0009	−4 44 36.3	−5.727	−0.412	91.1	204 216	4 1846
2547	9.0	6 34.72	2.9510	0.0009	5 25 45.4	5.744	0.410	92.1	298 323	5 2008
2548	9.0	6 43.73	2.9632	0.0010	4 53 14.8	5.756	0.411	92.1	311 320	4 1851
2549	9.0	6 44.56	2.9718	0.0010	4 30 29.2	5.757	0.413	92.0	300 304	4 1852
2550	8.3	6 47.55	2.9838	0.0011	3 58 17.0	5.762	0.414	90.7	121 215	3 1789

[1] δ ½ [2] Dupl. praec.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2551	9.2	7h 6m 47s.74	+2s.9657	−0s.0010	−4° 46′ 38″.7	−5″.762	−0″.412	91.7	223 320	4° 1853
2552	8.5	6 55.48	2.9494	0.0009	5 30 10.4	5.773	0.409	91.8	218 298 322	5 2011
2553	8.8	6 57.96	3.0086	0.0012	2 51 59 4	5.776	0.418	91.1	199 210	2 1974
2554	8.3	7 13 93	3.0091	0.0013	2 50 50.9	5.798	0.418	89.9	5 Beob.	2 1976
2555	8.2	7 14.85	2.9545	0.0009	5 16 40.9	5.800	0.410	89.9	21 97 110 122	5 2014
2556	8.2	7 7 22.49	+3.0189	−0.0013	−2 24 25.9	−5.810	−0.419	90.8	112 118 304	2 1980
2557	9.3	7 25.47	2.9548	0.0009	5 15 52.1	5.814	0.410	90.1	97 110 122	5 2016
2558	8.3	7 32.46	3.0105	0.0013	2 46 59.7	5.824	0.418	91.1	119 210	2 1982
2559	8.5	7 32.65	3.0193	0.0013	2 23 32.0	5.825	0.419	91.5	204 304	2 1981
2560	9.4	7 38.56	3.0275	0.0014	2 1 24.9	5.833	0.420	91.1	202 214 223	[1 1599]
2561	(8.2)[1]	7 7 42.04	+3.0055	−0.0013	−3 0 30.3	−5.838	−0.417	90.7	121 215	2 1987
2562	9.1	8 12.52	3.0175	0.0014	2 28 27.5	5.880	0.418	89.8	23 103 108	2 1996
2563	9.0	8 22.06	2.9421	0.0009	5 50 15.4	5.893	0.408	90.2	110 122	5 2023
2564	9.2	8 23.87	2.9362	0.0008	6 5 50.8	5.896	0.407	91.8	218 298 320	[6 1993]
2565	9.0	8 31.29	3.0302	0.0015	1 54 28.0	5.906	0.420	90.8	112 118 311	1 1603
2566	9.3	7 8 43.63	+2.9545	−0.0010	−5 17 22.2	−5.923	−0.409	91.8	220 300 320	[5 2026]
2567	9.0	8 45.53	2.9788	0.0011	4 12 23.2	5.926	0.412	91.1	202 214	4 1860
2568	9.0	8 46.69	2.9884	0.0012	3 46 45.9	5.928	0.414	91.0	89 298	3 1800
2569	7.8	8 48.55	2.9613	0.0010	4 59 6.2	5.930	0.410	91.1	202 214	4 1862
2570	8.6	8 50.49	2.9981	0.0012	3 20 38.7	5.933	0.415	90.7	121 215	3 1801
2571	9.0	7 8 54.61	+3.0117	−0.0013	−2 44 15.5	−5.939	−0.417	91.1	199 210	2 2001
2572	8.0	8 56.94	2.9934	0.0012	3 33 13.3	5.942	0.414	92.1	300 304 333	3 1803
2573	9.0	9 1.67	2.9431	0.0009	5 47 55.3	5.949	0.407	91.1	199 210	5 2029
2574	6.5	9 12.28	2.9895	0.0012	3 43 49.0	5.963	0.414	91.1	204 216	3 1804
2575	9.5	9 32.46	2.9376	0.0009	6 2 43.7	5.991	0.406	91.4	218 220 298	[5 2032]
2576	8.7	7 9 54.70	+3.0301	−0.0015	−1 54 58.6	−6.022	−0.419	90.1	103 108	1 1613
2577	9.0	9 58.19	3.0063	0.0014	2 58 49.2	6.027	0.415	90.8	112 118 311	2 2007
2578	8.0	9 59.41	3.0137	0.0014	2 39 0.4	6 029	0.416	90.1	23 97 121 215	2 2008
2579	8.3	10 19.98	2.9422	0.0009	5 50 45.3	6.058	0.406	90.2	110 122	5 2037
2580	8.2	10 26.09	2.9637	0.0011	4 53 23.0	6.066	0.409	90.1	89 100	4 1873
2581	8.5	7 10 41.27	+3.0015	−0.0013	−3 12 5.9	−6.087	−0.414	90.8	112 118 311	3 1818
2582	9.1	10 55.53	2.9893	0.0013	3 44 51.2	6.107	0.413	91.1	204 216	[3 1820]
2583	9.4	11 2.97	3.0266	0.0015	2 4 34.9	6.117	0.418	91.0	9 Beob.	[2 2019]
2584	9.5	11 7.79	3.0271	0.0015	2 3 15.9	6.124	0.418	91.7	220 320	[1 1625]
2585	9.3	11 8.19	3.0264	0.0015	2 5 4.9	6.125	0.418	90.6	23 320	[2 2020]
2586		7 11 8.68	+3.0263	−0.0015	−2 5 20.9	−6.125	−0.418	90.6	23 108 220 320	
2587	9.0	11 13.83	2.9473	0.0010	5 37 39.7	6.132	0.407	90.2	110 122	5 2044
2588	8.9	11 22.31	3.0104	0.0014	2 48 21.2	6.144	0.415	90.5	97 121 215	2 2021
2589	8.8	11 26.97	3.0046	0.0014	3 3 49.9	6.151	0.414	91.1	204 216	2 2022
2590	8.0	11 37.63	2.9646	0.0011	4 51 29.4	6.165	0.409	91.1	199 210	4 1882
2591	9.0	7 11 48.48	+2.9389	−0.0010	−6 0 25.0	−6.180	−0.405	91.6	110 298 304 333	5 2048
2592	8.2	11 53.16	2.9943	0.0013	3 31 47.6	6.187	0.413	90.1	89 100	3 1824
2593	(8.8)[2]	12 0.63	2.9356	0.0010	6 9 23.6	6.197	0.404	91.1	202 214	6 2028
2594	7.9	12 7.59	2.9378	0.0010	6 3 36.9	6.207	0.405	91.1	202 214	5 2050
2595	8.5	12 8.49	2.9793	0.0013	4 12 11.0	6.208	0.410	91.1	204 216	4 1885
2596	9.0	7 12 11.99	+3.0157	−0.0015	−2 34 6.7	−6.213	−0.415	90.8	112 118 304	2 2027
2597	8.7	12 15.12	2.9451	0.0010	5 43 57.2	6.217	0.406	90.4	21 110 122 311	5 2051
2598	8.7	12 16.22	2.9700	0.0012	4 37 19.6	6.219	0.409	91.1	199 210	4 1886
2599	8.7	12 19.36	2.9905	0.0013	3 42 5.9	6.223	0.412	91.6	223 298	3 1826
2600	8.8	12 19.89	3.0172	0.0015	2 30 9.8	6.224	0.416	91.8	218 298 333	2 2028

[1] Dupl. 6″ maj. [2] Dupl. praec.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2601	8.8	7h 12m 25s.29	+3s.0199	−0s.0015	−2° 22′ 53″.7	−6″.232	−0″.416	90.7	121 215	2° 2030
2602	8.8	12 29.28	3.0039	0.0014	3 6 3.0	6.237	0.414	91.1	199 210	3 1828
2603	9.0	12 30.41	3.0126	0.0015	2 42 29.2	6.239	0.415	91.8	218 300 333	2 2031
2604	9.0	12 33.05	2.9934	0.0014	3 34 19.4	6.242	0.412	91.7	220 320	3 1829
2605	7.9	12 36.12	2.9935	0.0014	3 34 7.3	6.246	0.412	90.6	89 97 100 320	3 1831
2606	9.0	7 12 36.31	+2.9620	−0.0011	−4 58 59.7	−6.247	−0.408	91.1	202 214	4 1888
2607	7.3	12 37.09	2.9472	0.0011	5 38 35.6	6.248	0.406	91.1	204 216	5 2055
2608	9.1	13 0.07	3.0202	0.0016	2 22 7.6	6.280	0.416	90.2	23 223	2 2038
2609	8.0	13 2.37	3.0076	0.0015	2 56 3.6	6.283	0.414	90.1	103 108	2 2039
2610	9.0	13 9.78	2.9908	0.0014	3 41 32.5	6.293	0.411	90.8	112 118 304	3 1836
2611	9.0	7 13 20.36	+2.9491	−0.0011	−5 33 49.0	−6.308	−0.405	90.8	110 122 311	5 2061
2612	8.8	13 21.61	2.9966	0.0014	3 25 52.5	6.309	0.412	90.7	121 215	3 1838
2613	8.7	13 24.95	2.9811	0.0013	4 7 40.7	6.314	0.410	91.1	199 210 220	4 1893
2614	9.1	13 50.58	3.0230	0.0016	2 14 36.8	6.350	0.415	90.5	112 118 223	2 2044
2615	8.6	14 0.82	2.9608	0.0012	5 2 41.1	6.364	0.407	91.4	97 298 333	4 1900
2616	8.5	7 14 2.91	+2.9564	−0.0012	−5 14 42.2	−6.367	−0.406	91.1	204 216	5 2065
2617	9.1	14 8.85	3.0215	0.0016	2 18 58.7	6.375	0.415	90.1	103 108	2 2046
2618	9.1	14 17.00	2.9885	0.0014	3 48 0.9	6.386	0.410	91.1	202 214 220	[3 1846]
2619	8.7	14 24.82	3.0202	0.0016	2 22 23.9	6.397	0.415	90.1	23 121 215	2 2050
2620	8.3	14 37.37	2.9969	0.0015	3 25 26.4	6.414	0.411	91.6	218 300	3 1847
2621	9.0	7 14 39.00	+2.9783	−0.0013	−4 15 45.3	−6.417	−0.409	91.7	218 320	4 1904
2622	9.0	14 40.29	3.0136	0.0016	2 40 28.1	6.418	0.414	91.1	199 210	2 2054
2623	9.1	14 43.42	2.9459	0.0011	5 43 4.4	6.423	0.404	90.5	21 304	5 2068
2624	9.2	14 47.77	2.9599	0.0012	5 5 34.6	6.429	0.406	91.2	110 122 311 333	5 2069
2625	9.0	14 59.07	2.9431	0.0011	5 50 39.0	6.444	0.404	91.1	204 216	5 2070
2626	7.8	7 14 59.83	+2.9753	−0.0013	−4 23 54.7	−6.445	−0.408	91.7	220 324	4 1907
2627	8.7	15 3.63	3.0117	0.0016	2 45 37.9	6.451	0.413	90.1	112 118	2 2059
2628	7.0	15 7.88	2.9902	0.0014	3 43 46.8	6.456	0.410	91.1	202 214	3 1850
2629	7.3	15 8.63	2.9663	0.0013	4 48 22.3	6.457	0.407	91.6	223 298	4 1908
2630	8.8	15 19.18	2.9392	0.0011	6 1 32.7	6.472	0.403	91.7	218 322	5 2072
2631	7.8	7 15 19.23	+2.9408	−0.0011	−5 57 10.5	−6.472	−0.403	91.7	223 320	5 2073
2632	9.0	15 27.80	2.9676	0.0013	4 45 7.3	6.484	0.407	90.7	121 215	4 1912
2633	9.0	15 32.80	2.9350	0.0011	6 12 55.8	6.491	0.402	91.4	199 210 304	6 2056
2634	8.8	15 37.64	2.9434	0.0011	5 50 22.4	6.497	0.403	89.8	21 103 108	5 2074
2635	8.8	15 52.44	2.9605	0.0013	5 4 23.3	6.518	0.406	90.1	97 110 122	4 1915
2636	7.5	7 15 55.92	+2.9410	−0.0011	−5 56 55.6	−6.523	−0.403	91.1	204 216	5 2075
2637	9.0	16 5.37	3.0240	0.0017	2 12 35.3	6.536	0.414	91.7	218 322	2 2066
2638	9.5	16 5.91	3.0267	0.0017	2 5 3.5	6.536	0.414	90.3	23 89 100 311	[2 2067]
2639	9.0	16 6.05	2.9757	0.0014	4 23 17.3	6.537	0.407	92.2	320 323	4 1917
2640	8.8	16 8.67	2.9611	0.0013	5 2 53.9	6.540	0.405	92.2	2 Beob.	4 1918
2641	8.8	7 16 8.68	+2.9927	−0.0015	−3 37 21.2	−6.540	−0.410	92.1	298 311 333	3 1853
2642	8.5	16 9.09	3.0026	0.0016	3 10 32.1	6.541	0.411	92.0	298 311	3 1854
2643	8.8	16 9.11	2.9546	0.0012	5 20 16.6	6.541	0.405	92.2	323 324	5 2077
2644	8.7	16 11.19	3.0175	0.0017	2 30 1.1	6.544	0.413	91.7	223 322	2 2068
2645	8.8	16 16.10	3.0006	0.0015	3 15 55.4	6.551	0.411	91.7	220 324	3 1856
2646	9.5	7 16 20.37	+3.0268	−0.0018	−2 4 48.9	−6.556	−0.414	90.7	5 Beob.	[2 2071]
2647	8.0	16 22.21	3.0043	0.0016	3 6 3.2	6.559	0.411	98.2	4 Beob.	3 1858
2648	9.5	16 24.42	3.0265	0.0018	2 5 49.4	6.562	0.414	90.6	23 323	[2 2072]
2649	9.0	16 26.53	2.9373	0.0011	6 7 8.3	6.565	0.402	90.5	21 304	6 2064
2650	9.0	16 27.12	2.9768	0.0014	4 20 31.2	6.566	0.407	92.2	320 332	4 1920

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2651	9.0	7^h 16^m $37^s.50$	$+2^s.9353$	$-0^s.0011$	−6° 12′ 42″.3	−6″.580	−0″.402	92.1	304 325	6° 2067
2652	7.0	16 40.13	2.9465	0.0012	5 42 31.6	6.584	0.403	92.0	298 304	5 2080
2653	9.1	16 56.60	2.9416	0.0012	5 55 49.0	6.606	0.402	90.1	103 108	5 2083
2654	9.0	17 6.20	2.9482	0.0012	5 38 8.6	6.619	0.403	92.1	298 304 333	5 2085
2655	8.2	17 6.58	2.9539	0.0012	5 22 50.8	6.620	0.404	91.7	223 324	5 2086
2656	9.0	7 17 7.03	+3.0152	−0.0017	−2 36 37.4	−6.621	−0.412	92.1	311 325	2 2077
2657	8.8	17 7.03	2.9881	0.0015	3 50 11.1	6.621	0.408	91.7	218 322	3 1865
2658	9.0	17 14.07	2.9415	0.0012	5 56 8.7	6.630	0.402	90.8	103 108 332	5 2087
2659	6.5	17 17.63	3.0113	0.0017	2 47 20.7	6.635	0.412	91.7	220 320	2 2079
2660	9.1	17 18.06	3.0123	0.0017	2 44 35.6	6.636	0.412	92.2	320 323	2 2080
2661	5.9	7 17 31.11	+2.9448	−0.0012	−5 47 32.2	−6.654	−0.402	92.2	323 325	5 2089
2662	8.5	17 49.72	2.9617	0.0013	5 1 59.1	6.679	0.404	92.1	304 320	4 1926
2663	8.0	17 59.43	2.9912	0.0015	3 41 58.0	6.693	0.408	91.8	218 298 326	3 1871
2664	9.0	18 19.69	2.9886	0.0015	3 49 9.9	6.721	0.408	91.8	220 300 333	3 1875
2665	8.8	18 23.55	2.9793	0.0015	4 14 24.6	6.726	0.406	91.7	223 320	4 1927
2666	8.8	7 18 24.56	+2.9528	−0.0013	−5 26 23.8	−6.727	−0.403	91.6	218 298	5 2092
2667	9.0	18 26.43	3.0201	0.0018	2 23 41.9	6.730	0.412	98.1	2 Beob.	2 2087
2668	9.2	18 27.81	2.9561	0.0013	5 17 33.8	6.732	0.403	97.1	2 Beob.	[5 2093]
2669	9.0	18 34.05	3.0305	0.0019	1 55 6.5	6.740	0.413	91.7	220 322	1 1689
2670	9.2	18 37.43	3.0276	0.0018	2 3 12.9	6.745	0.413	91.6	223 308	[1 1690]
2671	8.7	7 18 45.39	+2.9566	−0.0013	−5 16 21.6	−6.756	−0.403	90.1	103 108	5 2095
2672	8.5	18 55.45	2.9609	0.0014	5 4 39.6	6.770	0.404	90.2	110 122	4 1930
2673	7.5	19 2.50	2.9895	0.0016	3 47 6.0	6.779	0.407	91.1	204 216	3 1878
2674	9.3	19 3.47	2.9723	0.0014	4 33 55.3	6.781	0.405	91.1	202 214	[4 1931]
2675	8.8	19 13.13	3.0201	0.0018	2 23 50.6	6.794	0.411	89.8	23 112 118	2 2092
2676	9.2	7 19 16.39	+2.9443	−0.0012	−5 49 45.0	−6.798	−0.401	90.5	21 304	[5 2096]
2677	8.8	19 31.10	2.9757	0.0015	4 24 49.3	6.819	0.405	91.1	204 216	4 1933
2678	9.0	19 50.52	3.0192	0.0018	2 26 22.4	6.845	0.411	90.4	23 89 100[1] 320	2 2099
2679	8.7	19 54.16	2.9841	0.0016	4 2 6.8	6.850	0.406	90.2	110 122	3 1886
2680	8.5	20 0.51	2.9661	0.0014	4 51 3.2	6.859	0.403	90.1	103 108	4 1939
2681	9.1	7 20 7.03	+2.9558	−0.0014	−5 19 8.7	−6.868	−0.402	91.1	202 214 223	5 2102
2682	9.0	20 12.47	3.0083	0.0018	2 56 15.2	6.875	0.409	90.1	112 118	2 2101
2683	9.0	20 13.64	2.9556	0.0014	5 19 46.4	6.877	0.402	91.1	202 214	5 2103
2684	8.6	20 14.13	2.9508	0.0013	5 32 40.1	6.878	0.401	90.5	21 304	5 2104
2685	9.2	20 17.50	3.0211	0.0019	2 21 22.8	6.882	0.411	91.1	23 311 328	[2 2102]
2686	9.0	7 20 25.29	+2.9804	−0.0016	−4 12 13.5	−6.893	−0.405	91.8	218 298 320	4 1941
2687	9.1	20 29.13	2.9927	0.0016	3 38 51.8	6.898	0.407	91.2	204 216 220	3 1890
2688	9.0	20 50.86	2.9889	0.0016	3 49 22.0	6.928	0.406	91.7	218 298 308	3 1892
2689	7.7	20 54.73	3.0279	0.0019	2 2 54.8	6.933	0.411	89.8	23 112 118	1 1707
2690	6.3	20 56.34	2.9503	0.0013	5 34 35.6	6.935	0.401	91.4	110 300 322	5 2112
2691	7.4	7 21 5.83	+2.9776	−0.0015	−4 20 17.9	−6.948	−0.404	90.8	103 108 328	4 1943
2692	9.2	21 6.67	2.9779	0.0015	4 19 21.5	6.949	0.404	91.2	103 108 328 333	4 1944
2693	9.4	21 25.42	3.0276	0.0020	2 3 49.5	6.975	0.411	90.4	23 89 311	[1 1709]
2694	8.1	21 32.36	3.0104	0.0018	2 50 54.4	6.985	0.408	91.1	202 214	2 2111
2695	8.7	21 32.38	3.0294	0.0020	1 58 52.9	6.985	0.411	91.6	218 308	1 1711
2696	8.5	7 21 36.72	+3.0118	−0.0018	−2 47 2.5	−6.991	−0.409	91.6	220 308	2 2113
2697	9.0	21 37.06	2.9806	0.0016	4 12 10.3	6.991	0.404	92.0	304 308	4 1947
2698	8.1	21 41.05	2.9825	0.0016	4 7 7.1	6.996	0.405	91.8	223 300 326	4 1949
2699	8.5	21 51.44	2.9628	0.0015	5 1 0.4	7.011	0.402	91.1	204 216	4 1950
2700	7.8	21 51.54	2.9484	0.0013	5 40 8.2	7.011	0.400	89.8	21 110 122	5 2118

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2701	9.0	7h 22m 1s.18	+2s.9560	−0s.0014	−5° 19′ 36″.4	−7″.024	−0″.401	91.1	202 214	5° 2120
2702	8.4	22 9.07	2.9683	0.0015	4 46 0.8	7.035	0.402	92.1	311 320	4 1952
2703	8.9	22 12.69	3.0076	0.0018	2 58 35.2	7.040	0.408	91.7	223 322	2 2115
2704	9.2	22 14.43	2.9549	0.0014	5 22 36.3	7.042	0.400	91.1	202 214	5 2121
2705	8.5	22 17.34	3.0063	0.0018	3 2 8.5	7.046	0.407	90.1	112 118	2 2117
2706	8.6	7 22 19.95	+2.9822	−0.0016	−4 8 17.7	−7.050	−0.404	92.0	300 304 326	4 1955
2707	8.7	22 21.51	3.0219	0.0019	2 19 25.0	7.052	0.409	90.6	23 323	2 2118
2708	9.4	22 31.33	3.0268	0.0020	2 6 12.0	7.065	0.410	98.1	2 Beob.	[2 2119]
2709	8.4	22 42.04	3.0100	0.0019	2 52 9.2	7.080	0.408	90.1	89 100	2 2123
2710	8.8	22 44.58	2.9796	0.0016	4 15 23.0	7.083	0.404	91.1	204 216	4 1958
2711	9.0	7 22 46.89	+2.9383	−0.0013	−6 8 10.5	−7.086	−0.398	89.8	21 110 122	6 2117
2712	9.0	22 55.05	3.0212	0.0020	2 21 28.5	7.098	0.409	92.2	2 Beob.	2 2125
2713	7.0	22 58.43	3.0142	0.0019	2 40 44.6	7.102	0.408	92.2	322 323	2 2126
2714	9.1	23 2.64	2.9970	0.0018	3 28 3.5	7.108	0.406	92.2	322 328	3 1907
2715	8.4	23 10.62	3.0095	0.0019	2 53 40.1	7.119	0.407	90.1	89 100	2 2129
2716	8.7	7 23 21.33	+2.9467	−0.0014	−5 45 43.2	−7.133	−0.399	92.1	308 323	5 2127
2717	9.3	23 39.77	2.9431	0.0014	5 55 31.2	7.158	0.398	92.2	322 323	5 2130
2718	9.0	23 41.55	3.0241	0.0020	2 13 49.7	7.161	0.409	90.1	112 118	2 2135
2719	9.0	23 52.30	2.9709	0.0016	4 39 49.3	7.176	0.401	92.1	308 328	4 1962
2720	9.2	23 54.12	2.9528	0.0015	5 29 14.8	7.178	0.399	90.4	21 110 122 332	[5 2132]
2721	7.8	7 23 56.82	+2.9936	−0.0018	−3 37 40.0	−7.182	−0.404	91.1	202 214	3 1912
2722	9.4	24 7.87	3.0294	0.0021	1 59 26.2	7.197	0.409	92.2	320 323	[1 1733]
2723	9.2	24 8.88	2.9605	0.0015	5 8 28.6	7.198	0.400	95.5 97.7	3.2 Beob.	[5 2133]
2724	7.8	24 17.14	2.9782	0.0017	4 20 7.1	7.209	0.402	92.1	298 310 326	4 1965
2725	9.1	24 27.65	3.0069	0.0019	3 1 16.7	7.224	0.406	90.8	89 100 326	2 2144
2726	8.7	7 24 37.33	+2.9678	−0.0016	−4 48 34.6	−7.237	−0.401	91.1	204 216	4 1967
2727	8.7	24 39.62	2.9549	0.0015	5 23 52.8	7.240	0.399	91.6	223 308	5 2137
2728	8.5	24 49.77	2.9639	0.0016	4 59 20.0	7.254	0.400	90.2	110 122	4 1970
2729	9.0	24 54.91	2.9907	0.0018	3 45 55.8	7.261	0.403	91.1	202 214	3 1919
2730	9.0	25 1.65	2.9954	0.0018	3 33 4.2	7.270	0.404	90.1	112 118	3 1920
2731	9.0	7 25 4.09	+2.9715	−0.0016	−4 38 37.5	−7.273	−0.401	92.1	298 310 320 323	4 1973
2732	9.0	25 11.91	2.9692	0.0016	4 45 9.0	7.284	0.400	90.6	21 311	4 1975
2733	8.8	25 14.58	2.9773	0.0017	4 22 47.6	7.287	0.401	91.1	204 216	4 1976
2734	9.2	25 15.57	3.0193	0.0020	2 27 25.9	7.289	0.407	91.1	23 311 332	[2 2149]
2735	9.0	25 19.63	2.9839	0.0017	4 4 47.2	7.294	0.402	90.8	112 118 328	3 1921
2736	6.9	7 25 55.00	+2.9635	−0.0016	−5 1 0.7	−7.342	−0.399	90.2	110 122	4 1979
2737	8.2	25 56.29	3.0303	0.0021	1 57 18.4	7.344	0 408	89.8	23 89 100	1 1745
2738	9.0	26 12.21	2.9462	0.0015	5 48 33.9	7.366	0.396	91.1	204 216	5 2143
2739	9.1	26 12.51	2.9435	0.0014	5 56 4.6	7.366	0.396	90.6	21 310	5 2144
2740	8.5	26 13.92	2.9395	0.0014	6 6 54.3	7.368	0.395	92.1	308 311	6 2150
2741	8.4	7 26 19.60	+2.9610	−0.0016	−5 8 0.2	−7.376	−0.398	91.8	223 298 326	5 2145
2742	8.0	26 24.03	2.9756	0.0017	4 28 8.1	7.382	0.400	91.1	202 214	4 1984
2743	9.0	26 48.48	2.9826	0.0018	4 8 52.9	7.415	0.401	91.1	204 216	4 1986
2744	8.7	26 52.30	2.9559	0.0016	5 22 18.1	7.420	0.397	90.2	110 122	5 2148
2745	9.0	26 53.95	2.9519	0.0015	5 33 31.9	7.422	0.397	91.9	223 298 320 323	5 2149
2746	8.3	7 27 0.38	+2.9903	−0.0018	−3 47 48.5	−7.431	−0.402	90.1	112 118	3 1935
2747	7.3	27 3.56	2.9481	0.0015	5 43 49.6	7.435	0.396	98.1	2 Beob.	5 2153
2748	8.8	27 8.00	3.0077	0.0020	2 59 51.0	7.441	0.404	91.1	202 214	2 2163
2749	9.0	27 9.87	2.9823	0.0018	4 9 50.3	7.444	0.401	91.1	204 216	4 1987
2750	8.3	27 12.88	2.9679	0.0017	4 49 43.8	7.448	0.399	91.8	223 298 326	4 1988

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2751	9.0	7h 27m 32s.02	+3s.0303	−0s.0022	−1° 57′ 22″.7	−7″.474	−0″.407	89.8	23 89 100	1° 1754
2752	8.8	27 34.10	3.0175	0.0021	2 32 53.2	7.477	0.405	91.1	118 310	2 2167
2753	9.3	27 39.56	2.9552	0.0016	5 24 42.4	7.484	0.397	92.1	308 311 332	5 2158
2754	8.5	27 50.10	2.9376	0.0014	6 13 19.0	7.498	0.394	90.2 89.8	218 110 122	6 2162
2755	9.1	28 6.37	2.9998	0.0020	3 22 9.6	7.520	0.402	91.1	202 214	[3 1943]
2756	8.8	7 28 11.48	+2.9382	−0.0015	−6 11 45.0	−7.527	−0.394	91.9	223 298 320 323	6 2167
2757	8.5	28 28.09	2.9817	0.0018	4 12 5.1	7.550	0.400	90.1	89 100	4 1996
2758	7.3	28 39.56	2.9424	0.0015	6 0 40.1	7.565	0.394	90.6	21 310	5 2165
2759	9.0	29 1.71	2.9742	0.0018	4 33 3.7	7.595	0.398	90.8	110 122 308	4 2001
2760	9.0	29 1.76	3.0161	0.0021	2 37 6.5	7.595	0.404	90.1	112 118	2 2178
2761	9.0	7 29 2.91	+2.9964	−0.0020	−3 31 56.3	−7.597	−0.401	91.1	204 216	3 1954
2762	9.0	29 12.58	3.0072	0.0021	3 1 49.1	7.610	0.402	91.1	118 311	2 2180
2763	9.0	29 28.45	3.0271	0.0023	2 6 46.2	7.631	0.405	90.4	23 202 214	2 2182
2764	8.8	29 41.39	2.9386	0.0015	6 11 38.2	7.649	0.393	91.1	204 216	6 2185
2765	8.4	29 44.90	2.9990	0.0020	3 24 56.8	7.653	0.401	92.1	298 310 320	3 1959
2766	8.5	7 29 57.80	+2.9602	−0.0017	−5 12 22.2	−7.671	−0.396	90.2	110 122	5 2173
2767	8.8	29 58.08	3.0269	0.0023	2 7 21.9	7.671	0.405	90.1	89 100	2 2188
2768	8.5	30 15.06	2.9824	0.0019	4 11 9.1	7.694	0.398	90.8	112 118 310	4 2010
2769	9.0	30 22.60	2.9777	0.0018	4 24 4.1	7.704	0.398	04.2	2 Beob.	4 2011
2770	8.9	30 29.72	2.9657	0.0017	4 57 29.9	7.714	0.396	91.1	202 214	4 2013
2771	9.1	7 30 32.05	+2.9481	−0.0016	−5 45 58.8	−7.717	−0.394	91.6	223 298	[5 2175]
2772	8.9	30 35.37	3.0106	0.0021	2 52 57.4	7.721	0.402	91.1	202 214	2 2192
2773	8.7	30 46.97	2.9869	0.0019	3 58 43.7	7.737	0.399	92.1	311 320	3 1966
2774	8.2	30 57.50	3.0049	0.0021	3 8 51.3	7.751	0.401	91.1	204 216	3 1968
2775	9.0	31 2.29	3.0130	0.0022	2 46 25.1	7.757	0.402	91.2	3 Beob.	2 2196
2776	7.4	7 31 2.67	+3.0095	−0.0021	−2 56 1.8	−7.758	−0.401	92.0	308 310	2 2197
2777	8.2	31 11.71	2.9528	0.0017	5 33 31.7	7.770	0.394	92.1	311 322	5 2178
2778	8.5	31 19.62	2.9403	0.0016	6 7 59.6	7.781	0.392	92.2	320 323	6 2191
2779	9.0	31 25.45	3.0059	0.0021	3 6 24.4	7.789	0.401	92.2	324 328	3 1971
2780	9.0	31 26.27	2.9387	0.0015	6 12 39.1	7.790	0.391	92.2	320 323	6 2193
2781	8.7	7 31 30.07	+2.9928	−0.0020	−3 42 49.1	−7.795	−0.399	91.7	223 322	3 1972
2782	9.0	31 35.14	3.0082	0.0021	2 59 52.8	7.802	0.401	92.0	308 310	2 2201
2783	9.1	31 35.26	2.9551	0.0017	5 27 24.1	7.802	0.394	92.1	311 320	5 2181
2784	9.0	31 42.80	2.9877	0.0020	3 56 53.7	7.812	0.398	98.2	2 Beob.	3 1974
2785	9.0	31 54.17	2.9733	0.0018	4 37 10.0	7.827	0.396	92.2	323 324	4 2017
2786	9.0	7 32 6.21	+2.9503	−0.0016	−5 40 52.5	−7.843	−0.393	92.2	325 328	5 2183
2787	8.8	32 11.02	2.9938	0.0020	3 40 13.3	7.850	0.398	92.1	311 322	3 1977
2788	**5.3**	**32 18.37**	**2.9891**	**0.0020**	**3 53 15.4**	**7.860**	**0.398**		**Fund. Kat.**	3 1979
2789	8.8	32 19.28	3.0091	0.0022	2 57 41.4	7.861	0.400	91.1	23 308 310	2 2206
2790	7.8	32 47.05	3.0218	0.0023	2 22 16.1	7.898	0.402	96.1	3 Beob.	2 2207
2791	8.7	7 32 49.35	+2.9440	−0.0016	−5 58 52.1	−7.901	−0.391	92.1	308 311	5 2187
2792	8.4	32 54.07	3.0072	0.0022	3 3 9.4	7.907	0.400	90.6	23 323	2 2208
2793	8.2	32 56.41	3.0032	0.0021	3 14 14.2	7.911	0.399	92.2	322 323	3 1987
2794	9.0	33 10.68	2.9557	0.0017	5 26 42.1	7.930	0.393	92.1	310 320	5 2190
2795	9.0	33 16.10	2.9579	0.0017	5 20 41.2	7.937	0.393	91.6	223 308	5 2192
2796	8.3	7 33 20.34	+2.9703	−0.0019	−4 46 14.5	−7.943	−0.394	92.1	298 322 328	4 2027
2797	8.6	33 32.39	2.9532	0.0017	5 33 43.3	7.959	0.392	92.1	310 320	5 2194
2798	8.0	33 46.30	2.9705	0.0019	4 45 48.8	7.977	0.394	92.1	311 320	4 2028
2799	7.8	33 53.79	2.9604	0.0018	5 14 4.2	7.987	0.393	91.1	204 216	5 2196
2800	8.4	33 56.01	2.9748	0.0019	4 33 59.2	7.990	0.395	90.1	112 118	4 2031

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2801	8.8	7h 34m 11s.37	+2s.9560	−0s.0018	−5° 26′ 31″.8	−8″.011	−0″.392	90.1	89 100	5° 2198
2802	9.0	34 27.60	2.9406	0.0016	6 9 26.8	8.033	0.389	91.6	223 308	6 2221
2803	9.4	34 49.36	2.9615	0.0018	5 11 34.3	8.062	0.392	91.1	204 216	5 2201
2804	7.8	34 55.17	2.9438	0.0017	6 0 54.1	8.069	0.390	90.2	110 122	5 2202
2805	9.0	34 58.08	2.9641	0.0019	5 4 18.4	8.073	0.392	92.1	298 311 327	4 2040
2806	8.5	7 34 58.77	+2.9747	−0.0019	−4 34 44.2	−8.074	−0.394	91.7	223 320	4 2042
2807	7.7	34 58.90	3.0009	0.0022	3 21 33.3	8.074	0.397	90.6	23 310	3 2001
2808	8.9	34 59.84	3.0232	0.0024	2 19 4.0	8.076	0.400	90.1	112 118	2 2232
2809	9.1	35 2.51	3.0008	0.0022	3 21 55.0	8.079	0.397	90.6	23 310	[3 2002]
2810	8.6	35 4.44	2.9995	0.0022	3 25 31.1	8.082	0.397	92.1	310 320	3 2003
2811	8.7	7 35 20.93	+2.9475	−0.0017	−5 50 53.1	−8.104	−0.390	92.2	322 323	5 2205
2812	9.0	35 31.26	2.9988	0.0022	3 27 36.4	8.118	0.396	91.1	204 216	3 2007
2813	9.4	35 43.03	2.9550	0.0018	5 30 12.8	8.133	0.390	92.2	322 323	5 2208
2814	8.7	35 51.76	2.9548	0.0018	5 30 57.7	8.145	0.390	90.1	89 100	5 2209
2815	9.0	36 0.24	2.9754	0.0020	4 33 18.5	8.156	0.393	92.1	310 322	4 2045
2816	8.5	7 36 1.03	+3.0205	−0.0024	−2 26 51.3	−8.157	−0.399	90.1	112 118	2 2235
2817	9.0	36 6.43	2.9723	0.0020	4 42 5.6	8.164	0.392	90.8	110 122 326	4 2047
2818	8.2	37 5.14	2.9541	0.0018	5 33 31.5	8.243	0.389	90.1	89 100 110 122	5 2216
2819	(9.0)[1]	37 5.22	2.9961	0.0022	3 35 50.3	8.243	0.395	92.2	322 323	3 2017
2820	9.0	37 11.44	3.0027	0.0023	3 17 16.0	8.251	0.395	91.2	112 326	3 2018
2821	8.5	7 37 12.55	+3.0028	−0.0023	−3 17 4.0	−8.252	−0.396	90.8	112 118 325	3 2019
2822	8.9	37 14.84	2.9992	0.0022	3 27 8.4	8.255	0.395	91.1	204 216	3 2020
2823	8.8	37 29.27	2.9388	0.0017	6 16 29.3	8.275	0.387	92.2	2 Beob.	6 2247
2824	8.3	37 35.19	2.9921	0.0022	3 47 26.4	8.283	0.394	92.2	322 323	3 2023
2825	8.2	37 36.78	3.0207	0.0025	2 26 53.8	8.285	0.398	92.2	2 Beob.	2 2251
2826	8.7	7 37 38.35	+2.9553	−0.0018	−5 30 39.0	−8.287	−0.389	91.2	100 329	5 2218
2827	9.5	37 38.51	2.9764	0.0020	4 31 21.4	8.287	0.392	92.1	310 326	[4 2055]
2828	8.9	37 39.20	3.0128	0.0024	2 49 12.1	8.288	0.396	92.2	323 325	2 2252
2829	8.7	37 54.09	2.9871	0.0021	4 1 24.2	8.308	0.393	91.5	204 216 328	3 2025
2830	9.0	37 57.25	3.0183	0.0024	2 33 33.1	8.312	0.397	92.1	310 322	2 2254
2831	9.0	7 38 14.10	+2.9718	−0.0020	−4 44 48.5	−8.334	−0.391	90.2	110 122	4 2058
2832	7.5	38 15.57	2.9900	0.0022	3 53 34.3	8.336	0.393	90.1	112 118	3 2028
2833	9.0	38 18.90	2.9677	0.0020	4 56 12.7	8.341	0.390	91.1	204 216	4 2060
2834	9.0	38 27.49	2.9647	0.0019	5 4 40.9	8.352	0.389	92.1	311 324	4 2061
2835	7.1	38 34.51	2.9783	0.0021	4 26 34.0	8.361	0.391	91.6	226 308	4 2062
2836	9.0	7 38 37.33	+3.0307	−0.0026	−1 58 44.6	−8.365	−0.398	90.6	23 311	1 1818
2837	9.0	38 38.89	2.9570	0.0019	5 26 25.3	8.367	0.388	92.1	310 322	5 2222
2838	6.9	38 39.95	2.9778	0.0021	4 28 12.0	8.368	0.391	92.1	308 313a 328	4 2063
2839	8.8	38 45.20	2.9435	0.0018	6 4 17.6	8.375	0.386	92.2	323 324	5 2223
2840	8.6	38 51.92	2.9800	0.0021	4 21 53.4	8.384	0.391	92.1	308 313a 328	4 2064
2841	8.5	7 38 59.27	+2.9572	−0.0019	−5 26 2.8	−8.394	−0.388	92.1	310 322	5 2225
2842	8.0	39 10.49	3.0089	0.0024	3 0 42.8	8.409	0.395	91.7	226 324	2 2263
2843	9.0	39 13.46	2.9534	0.0019	5 37 1.0	8.413	0.387	91.1	204 216	5 2229
2844	8.5	39 17.07	2.9821	0.0021	4 16 16.1	8.418	0.391	90.2	110 122	4 2067
2845	8.0	39 23.09	2.9704	0.0020	4 49 16.9	8.426	0.389	92.1	308 311	4 2069
2846	9.0	7 39 23.24	+3.0138	−0.0024	−2 46 59.0	−8.426	−0.395	90.1	112 118	2 2265
2847	8.6	39 31.06	2.9638	0.0020	5 7 59.1	8.436	0.388	94.8	3 Beob.	5 2230
2848	9.2	39 55.85	3.0279	0.0026	2 7 8.7	8.469	0.397	95.1	3 Beob.	[2 2268]
2849	8.8	39 57.10	2.9601	0.0019	5 18 35.8	8.471	0.388	92.2	313a 322 329	5 2231
2850	8.5	40 7.25	2.9411	0.0018	6 12 5.9	8.484	0.385	91.7	226 324	6 2269

[1] Dupl. praec.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
2851	8.7	7ʰ 40ᵐ 8ˢ.02	+3ˢ.0002	—0ˢ.0023	—3° 25′ 29″.8	—8″.485	—0″.393	92.1	311 324	3° 2044
2852	7.2	40 14.07	2.9835	0.0022	4 12 41.0	8.493	0.390	92.2	313ᵃ 325 329	4 2075
2853	9.5	40 14.29	3.0281	0.0026	2 6 34.1	8.493	0.396	90.6	23 310	2 2270
2854	8.7	40 17.70	2.9653	0.0020	5 4 4.9	8.498	0.388	90.2	110 122	4 2077
2855	9.4	40 36.96	3.0313	0.0027	1 57 34.4	8.523	0.396	92.2	323 325	[1 1831]
2856	9.1	7 40 41.23	+3.0160	—0.0025	—2 41 2.7	—8.529	—0.394	90.8	112 118 326	2 2277
2857	7.0	40 47.37	2.9576	0.0019	5 26 10.8	8.537	0.387	90.1	89 100	5 2237
2858	8.0	41 11.00	2.9942	0.0023	3 43 4.3	8.568	0.391	91.7	226 322	3 2053
2859	9.1	41 22.76	3.0259	0.0026	2 13 4.5	8.584	0.395	90.6	23 311	[2 2282]
2860	8.3	41 35.45	2.9628	0.0020	5 12 6.9	8.600	0.387	90.2	110 122	5 2242
2861	9.0	7 41 37.61	+3.0034	—0.0024	—3 16 59.7	—8.603	—0.392	92.2	326 328	3 2059
2862	8.0	41 40.19	2.9438	0.0018	6 5 44.6	8.607	0.384	92.2	324 328	5 2243
2863	8.9	41 41.99	3.0110	0.0025	2 55 39.0	8.609	0.393	90.8	112 118 327	2 2286
2864	8.5	41 44.53	3.0000	0.0024	3 26 56.4	8.612	0.391	92.2	313ᵃ 324 329	3 2060
2865	8.2	41 45.52	2.9959	0.0023	3 38 34.8	8.614	0.391	92.2	313ᵃ 322 328	3 2061
2866	9.0	7 41 53.64	+2.9725	—0.0021	—4 44 45.7	—8.624	—0.388	90.8	89 100 327	4 2085
2867	9.6	41 54.01	3.0208	0.0026	2 27 44.9	8.625	0.394	92.2	326 329	[2 2288]
2868	8.7	41 56.48	3.0003	0.0024	3 26 6.1	8.628	0.391	91.7	226 324	3 2062
2869	9.0	41 58.75	2.9733	0.0021	4 42 34.2	8.631	0.388	92.2	323 326	4 2086
2870	8.8	42 15.90	2.9888	0.0023	3 58 49.0	8.654	0.389	92.1	311 322	3 2063
2871	9.4	7 42 21.13	+2.9574	—0.0020	—5 27 45.6	—8.660	—0.385	92.2	314 327 329	5 2246
2872	9.0	42 31.50	3.0306	0.0027	2 0 12.8	8.674	0.395	91.1	23 313ᵃ 328	1 1838
2873	9.4	42 42.12	2.9602	0.0020	5 20 14.0	8.688	0.385	92.1	308 323	5 2249
2874	8.8	42 46.87	2.9506	0.0019	5 47 27.6	8.694	0.384	90.8	110 122 326	5 2251
2875	8.0	42 47.77	3.0036	0.0024	3 16 57.8	8.695	0.391	90.1	112 118	3 2065
2876	9.0	7 42 59.98	+3.0232	—0.0027	—2 21 14.7	—8.711	—0.393	92.1	311 322	2 2296
2877	9.0	43 0.95	2.9629	0.0020	5 12 48.8	8.713	0.385	92.1	310 325	5 2253
2878	9.0	43 5.23	2.9948	0.0024	3 42 9.4	8.718	0.389	90.8	89 100 327	3 2068
2879	8.7	43 7.32	3.0155	0.0026	2 43 10.8	8.721	0.392	92.2	314 322	2 2298
2880	8.5	43 9.74	2.9536	0.0020	5 39 2.0	8.724	0.384	91.7	226 324	5 2255
2881	8.5	7 43 24.75	+2.9772	—0.0022	—4 32 18.5	—8.744	—0.387	92.2	313ᵃ 323 325	4 2092
2882	8.9	43 29.38	2.9589	0.0020	5 24 13.8	8.750	0.384	92.1	308 311	5 2257
2883	8.9	43 34.18	2.9981	0.0024	3 33 5.8	8.756	0.390	92.1	310 324	3 2074
2884	8.4	43 44.37	2.9502	0.0019	5 49 10.4	8.770	0.383	90.8	110 122 329	5 2258
2885	8.6	43 58.21	3.0176	0.0026	2 37 36.9	8.788	0.392	89.8	23 112 118	2 2301
2886	8.4	7 44 2.85	+3.0092	—0.0025	—3 1 28.0	—8.794	—0.391	91.6	226 308	2 2302
2887	9.0	44 5.89	2.9725	0.0022	4 46 3.2	8.798	0.386	92.2	314 322	4 2096
2888	7.9	44 14.12	2.9801	0.0022	4 24 31.3	8.809	0.387	90.1	89 100	4 2097
2889	9.0	44 35.86	3.0086	0.0025	3 3 25.7	8.837	0.390	92.1	308 311	2 2305
2890	8.9	44 36.73	2.9819	0.0023	4 19 36.6	8.838	0.387	91.2	110 122 326 328	4 2100
2891	9.0	7 44 45.86	+3.0064	—0.0025	—3 9 57.1	—8.850	—0.390	92.1	310 324	3 2082
2892	8.0	44 53.43	3.0216	0.0027	2 26 21.0	8.860	0.391	89.8	23 112 118	2 2306
2893	9.0[1]	44 55.34	3.0304	0.0028	2 1 14.8	8.863	0.393	92.2	313ᵃ 323 325	1 1847
2894	9.0	45 0.59	2.9828	0.0023	4 17 21.6	8.870	0.386	91.7	226 322	4 2102
2895	8.2	45 9.17	3.0216	0.0027	2 26 23.5	8.881	0.391	91.2	23 314 327	2 2307
2896	7.3	7 45 30.72	+3.0027	—0.0025	—3 20 41.5	—8.909	—0.388	92.1	310 324	3 2087
2897	8.5	45 35.50	3.0086	0.0026	3 4 0.1	8.915	0.389	92.1	308 311	2 2311
2898	7.0	45 41.56	2.9564	0.0020	5 32 58.7	8.923	0.382	90.8	110 122 329	5 2267
2899	9.1	45 42.58	2.9985	0.0025	3 32 46.5	8.924	0.388	92.1	308 314 326	[3 2091]
2900	8.9	45 50.21	3.0032	0.0025	3 19 23.9	8.934	0.388	91.7	226 322	3 2093

[1] Z. 325 Dupl.?

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2901	8.3	$7^h\ 45^m\ 50^s.32$	$+3^s.0259$	$-0^s.0028$	$-2°\ 14'\ 28''.8$	$-8''.935$	$-0''.391$	92.2	313^a 325 328	2° 2315
2902	8.5	45 50.33	2.9713	0.0022	4 50 32.2	8.935	0.384	90.8	89 100 326	4 2104
2903	8.9	45 51.82	2.9652	0.0021	5 8 0.8	8.936	0.383	92.1	311 325	5 2270
2904	8.3	45 58.27	3.0128	0.0026	2 52 1.6	8.945	0.389	90.8	112 118 327	2 2316
2905	8.9	46 21.13	2.9693	0.0022	4 56 33.8	8.975	0.383	90.8	110 122 329	4 2110
2906	8.9	7 46 42.79	+3.0196	−0.0027	−2 32 50.1	−9.003	−0.390	90.6	23 311	2 2317
2907	6.7	47 7.53	3.0144	0.0027	2 47 51.8	9.035	0.389	90.1	112 118	2 2322
2908	9.0	47 28.13	3.0131	0.0027	2 51 44.9	9.062	0.388	91.7	226 326	2 2324
2909	7.8	47 32.70	3.0235	0.0028	2 21 50.5	9.068	0.389	92.2	313^a 326 329	2 2325
2910	8.5	47 37.12	3.0307	0.0029	2 1 11.3	9.074	0.390	90.6	23 314	1 1870
2911	9.0	7 47 39.20	+2.9525	−0.0020	−5 45 32.4	−9.076	−0.380	91.7	226 325	5 2278
2912	8.5	47 39.49	2.9544	0.0021	5 39 58.7	9.077	0.380	90.2	110 122	5 2277
2913	8.5	47 44.52	2.9800	0.0023	4 26 55.0	9.083	0.383	90.1	89 100	4 2124
2914	8.7	47 49.23	2.9967	0.0025	3 39 4.8	9.089	0.386	92.2	313^a 326	3 2106
2915	5.7	47 51.64	2.9649	0.0022	5 10 10.4	9.093	0.381	92.1	311 313^a 327 329	5 2280
2916	8.9	7 47 53.98	+2.9959	−0.0025	−3 41 15.7	−9.096	−0.385	92.2	323 326	3 2107
2917	9.0	48 6.39	2.9766	0.0023	4 36 49.8	9.112	0.383	92.2	314 325	4 2126
2918	8.8	48 18.55	3.0149	0.0027	2 46 59.1	9.128	0.387	91.7	226 325	2 2331
2919	8.8	48 24.96	3.0315	0.0029	1 58 59.2	9.136	0.390	89.8	23 112 118	1 1875
2920	9.0	48 38.12	2.9782	0.0023	4 32 37.0	9.153	0.383	90.8	110 122 329	4 2129
2921	8.5	7 48 49.15	+2.9864	−0.0024	−4 9 15.5	−9.167	−0.383	92.0	308 310	4 2133
2922	9.0	48 50.70	3.0012	0.0026	3 26 32.6	9.169	0.385	92.1	311 324	3 2110
2923	7.8	48 53.89	2.9520	0.0021	5 47 55.3	9.173	0.379	92.2	313^a 322 323	5 2284
2924	9.0	48 58.70	3.0291	0.0029	2 6 7.9	9.180	0.389	92.2	314 325	1 1878
2925	8.3	49 3.51	2.9887	0.0024	4 2 36.0	9.186	0.384	90.1	89 100	3 2111
2926	7.8	7 49 12.47	+3.0045	−0.0026	−3 17 4.2	−9.198	−0.385	90.1	112 118	3 2112
2927	8.8	49 26.67	2.9841	0.0024	4 16 1.3	9.216	0.383	92.0	308 310	4 2135
2928	7.2	49 31.43	3.0202	0.0028	2 32 3.0	9.222	0.387	90.6	23 311	2 2341
2929	9.1	49 32.56	2.9970	0.0025	3 38 57.1	9.224	0.384	92.2	314 322	3 2113
2930	8.7	49 32.74	3.0168	0.0028	2 41 45.8	9.224	0.387	91.7	226 324	2 2342
2931	9.0	7 49 44.46	+2.9432	−0.0020	−6 13 53.7	−9.239	−0.377	90.8 91.1	110 122[1] 326	6 2357
2932	8.8	50 2.55	3.0315	0.0029	1 59 24.7	9.262	0.388	92.1	311 324	1 1887
2933	8.0	50 12.38	2.9834	0.0024	4 18 28.1	9.275	0.382	92.1	310 322	4 2141
2934	8.6	50 18.15	2.9953	0.0025	3 44 24.1	9.282	0.383	90.1	112 118	3 2120
2935	8.3	50 28.66	2.9813	0.0024	4 24 42.7	9.296	0.381	94.8 95.7	3 Beob.	4 2143
2936	9.0	7 50 38.67	+2.9531	−0.0021	−5 46 8.1	−9.309	−0.377	91.6	226 308	5 2293
2937	9.0	50 39.89	2.9743	0.0023	4 45 11.4	9.311	0.380	90.2	110 122	4 2145
2938	8.5	50 41.29	3.0100	0.0027	3 1 49.7	9.312	0.385	90.6	23 314	2 2350
2939	9.0	50 42.16	2.9496	0.0021	5 56 20.6	9.314	0.377	92.2	313^a 325 329	5 2294
2940	8.2	51 0.01	2.9429	0.0020	6 15 42.2	9.337	0.376	92.1	310 324	6 2367
2941	9.0	7 51 0.66	+2.9674	−0.0023	−5 5 12.3	−9.337	−0.379	92.2	314 325	4 2148
2942	8.7	51 1.97	2.9640	0.0022	5 14 58.8	9.339	0.378	92.1	308 311	5 2296
2943	9.0	51 3.99	2.9577	0.0022	5 33 10.2	9.342	0.378	92.2	313^a 326 329	5 2297
2944	8.5	51 10.71	2.9449	0.0020	6 10 4.7	9.350	0.376	91.7	226 324	6 2368
2945	8.7	51 10.77	3.0072	0.0027	3 10 24.4	9.350	0.384	92.2	322 323	3 2124
2946	9.0	7 51 26.94	+2.9617	−0.0022	−5 21 57.9	−9.371	−0.378	92.2	313^a 323 325	5 2301
2947	8.9	51 44.62	2.9459	0.0020	6 7 47.6	9.394	0.376	90.2	110 122	6 2371
2948	8.4	51 45.91	2.9522	0.0021	5 49 38.9	9.396	0.376	92.1	310 322	5 2303
2949	9.0	51 48.37	2.9831	0.0024	4 20 23.0	9.399	0.380	92.1	308 311	4 2150
2950	7.5	51 54.09	3.0070	0.0027	3 11 16.8	9.406	0.383	90.1	112 118	3 2129

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
2951	9.0	7h 52m 1s.64	+3s.0024	−0s.0027	−3° 24′ 28″.1	−9″.416	−0″.383	91.5	89 324 329	3° 2132
2952	8.8	52 2.39	3.0260	0.0029	2 16 8.8	9.417	0.386	91.1	23 310 326	2 2357
2953	8.9	52 20.13	3.0094	0.0027	3 4 19.9	9.440	0.383	91.7	226 325	2 2359
2954	7.8	52 25.82	3.0175	0.0028	2 40 45.6	9.447	0.384	90.1	112 118	2 2360
2955	9.0	52 59.80	2.9558	0.0022	5 40 20.9	9.491	0.376	90.8	110 122 323	5 2312
2956	9.0	7 53 8.84	+3.0254	−0.0029	−2 18 11.4	−9.502	−0.384	90.6	23 311	2 2363
2957	9.0	53 9.63	2.9535	0.0021	5 46 52.1	9.503	0.375	91.7	226 324	5 2313
2958	9.0	53 26.38	3.0312	0.0030	2 1 17.1	9.525	0.385	90.8	112 118 333	1 1905
2959	9.0	53 27.23	2.9529	0.0021	5 48 55.7	9.526	0.375	92.2	313[a] 325 329δ 332	5 2315
2960	7.8	53 29.59	2.9463	0.0021	6 8 5.3	9.529	0.374	92.2	323 326	6 2383
2961	8.0	7 53 30.27	+3.0035	−0.0027	−3 22 4.0	−9.530	−0.381	92.2	314 322	3 2146
2962	8.0	53 35.04	2.9987	0.0027	3 36 2.6	9.536	0.381	92.2	314 325	3 2147
2963	9.0	53 48.10	2.9612	0.0022	5 25 10.8	9.553	0.376	92.2	313[a] 326[1] 329δ[1]	5 2318
2964	8.4	53 49.99	2.9769	0.0024	4 39 47.3	9.555	0.378	92.0	308 310	4 2158
2965	9.0	53 50.21	3.0185	0.0029	2 38 27.6	9.555	0.383	92.2	323 326	2 2367
2966	7.0	7 54 4.99	+2.9894	−0.0026	−4 3 35.7	−9.574	−0.379	92.2	314 322	3 2151
2967	8.8	54 11.26	2.9704	0.0024	4 58 51.5	9.582	0.376	92.2	313[a] 324 329δ 332	4 2159
2968	9.0	54 26.96	3.0113	0.0028	2 59 52.5	9.603	0.381	92.0	308 310	2 2372
2969	8.5	54 27.21	2.9772	0.0024	4 39 18.7	9.603	0.377	92.0	308 310	4 2160
2970	9.0	54 27.48	2.9451	0.0021	6 12 22.2	9.603	0.373	92.2	325 328	6 2392
2971	9.3	7 54 28.79	+3.0301	−0.0030	−2 4 40.7	−9.605	−0.384	92.2	323 327	[1 1911]
2972	7.9	54 44.05	2.9719	0.0024	4 54 55.6	9.624	0.376	92.1 92.2	313[a] 322 329δ	4 2162
2973	**5.4**	**54 44.42**	**3.0029**	**0.0027**	**3 24 24.9**	**9.625**	**0.380**		**Fund. Kat.**	3 2157
2974	9.1	55 4.41	3.0202	0.0029	2 34 2.4	9.650	0.382	92.2	323 324	2 2375
2975	8.9	55 17.48	3.0119	0.0028	2 58 18.8	9.667	0.381	92.0	308 310	2 2376
2976	9.0	7 55 20.81	+3.0074	−0.0028	−3 11 35.2	−9.671	−0.380	92.2	314 325	3 2162
2977	8.8	55 22.88	2.9972	0.0027	3 41 31.9	9.674	0.379	92.2	322 328	3 2163
2978	7.0	55 31.41	2.9784	0.0025	4 36 21.2	9.685	0.376	92.0	308 310	4 2166
2979	8.4	55 34.72	2.9663	0.0023	5 11 40.7	9.689	0.375	92.2	326 328	5 2327
2980	8.0	55 40.40	2.9844	0.0025	4 18 58.7	9.696	0.377	92.2	323 326	4 2168
2981	8.3	7 55 42.32	+2.9734	−0.0024	−4 51 2.4	−9.699	−0.375	92.2	313[a] 322 332	4 2169
2982	6.8	55 42.43	3.0194	0.0029	2 36 25.7	9.699	0.381	92.2	314 326	2 2379
2983	8.0	55 48.16	2.9859	0.0026	4 14 46.2	9.706	0.377	92.2	323 324	4 2170
2984	8.5	55 49.01	2.9744	0.0024	4 48 16.8	9.707	0.375	92.2	313[a] 322 332	4 2172
2985	7.8	55 49.18	2.9810	0.0025	4 29 2.3	9.708	0.376	92.2	327 329δ[1] 330	4 2173
2986	9.1	7 55 50.48	+2.9551	−0.0022	−5 44 45.6	−9.709	−0.373	92.2	327 328	5 2328
2987	8.8	55 51.70	2.9772	0.0025	4 40 13.6	9.711	0.376	92.0	308 310	4 2174
2988	6.8	56 9.43	2.9469	0.0021	6 8 33.2	9.733	0.372	92.2	322 328	6 2407
2989	8.0	56 13.06	3.0065	0.0028	3 14 36.9	9.738	0.379	91.2 91.5	104 329δ 330	3 2171
2990	8.6	56 17.03	2.9836	0.0025	4 21 35.3	9.743	0.376	92.2	313[a] 324 332	4 2175
2991	8.8	7 56 23.98	+3.0132	−0.0029	−2 54 54.8	−9.752	−0.380	92.2	314 325	2 2380
2992	9.5	56 25.70	3.0322	0.0031	1 59 18.5	9.754	0.382	92.2	327 329δ[1] 330	[1 1922]
2993	9.4	56 27.79	3.0298	0.0031	2 6 23.3	9.757	0.382	92.2	323 326	[1 1923]
2994	8.7	56 33.97	2.9811	0.0025	4 29 19.9	9.765	0.375	91.6	226 308	4 2176
2995	8.3	56 51.61	3.0061	0.0028	3 16 2.4	9.787	0.378	90.1	92 104	3 2176
2996	8.6	7 57 0.81	+3.0319	−0.0031	−2 0 18.0	−9.799	−0.382	90.1	23 117 221	1 1926
2997	8.2	57 1.45	3.0177	0.0030	2 42 10.8	9.800	0.380	90.7	124[a] 130 132[a] 328	2 2383
2998	8.7	57 6.43	3.0217	0.0030	2 30 24.7	9.806	0.380	92.1	310 324	2 2384
2999	8.9	57 29.90	2.9666	0.0024	5 12 17.4	9.836	0.373	91.7	226 324	5 2338
3000	6.5	57 31.18	2.9491	0.0022	6 3 30.2	9.838	0.370	94.6	4 Beob.	5 2339

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.	
3001	8.5	7h 57m 34s.19	+2s.9905	−0s.0026	−4° 2′ 8″.3	− 9″.841	−0″.376	92.1	311 326	3° 2180	F2
3002	8.2	57 34.44	3.0119	0.0029	2 59 19.1	9.842	0.378	92.1	311 325	2 2388	K0
3003	9.0	57 35.81	3.0241	0.0030	2 23 17.9	9.843	0.380	92.2	314 327	2 2390	
3004	8.9	57 36.27	2.9598	0.0023	5 32 18.6	9.844	0.372	92.2	313a 322 329	5 2340	F8
3005	8.0	57 37.42	3.0296	0.0031	2 7 5.1	9.845	0.381	92.1	311 325	1 1928	F5
3006	7.5	7 57 51.83	+2.9495	−0.0022	−6 2 37.6	− 9.864	−0.370	97.2	2 Beob.	5 2341	K0
3007	8.3	57 59.21	3.0229	0.0030	2 27 3.2	9.873	0.379	90.1	23 117 221	2 2394	A0
3008	8.8	58 5.31	2.9489	0.0022	6 4 37.4	9.881	0.370	92.0	308 310	5 2342	
3009	9.0	58 12.40	2.9477	0.0022	6 8 8.4	9.890	0.370	92.0	308 310	6 2423	
3010	9.0	58 16.96	2.9922	0.0027	3 57 42.8	9.896	0.375	90.9	130 132a 332	3 2189	
3011	8.7	7 58 24.08	+2.9559	−0.0023	−5 44 29.0	− 9.905	−0.370	91.2	110 325	5 2344	K5
3012	8.5	58 28.34	3.0080	0.0029	3 11 19.1	9.910	0.377	94.8	3 Beob.	3 2191	F8
3013	8.9	58 37.26	3.0149	0.0030	2 51 5.0	9.921	0.378	91.7	226 324	2 2399	A0
3014	9.0	58 40.23	3.0188	0.0030	2 39 19.2	9.925	0.378	92.1	311 326	2 2400	
3015	9.0	58 41.44	2.9461	0.0022	6 13 24.1	9.927	0.369	92.1	310 326	6 2427	
3016	8.8	7 58 48.86	+2.9630	−0.0023	−5 23 45.4	− 9.936	−0.371	92.2	322 323	5 2347	
3017	9.0	58 50.74	2.9505	0.0022	6 0 25.6	9.938	0.369	92.2	323 327	5 2348	K2
3018	9.0	59 5.86	2.9990	0.0028	3 38 6.4	9.958	0.375	90.7	117 221	3 2195	K0
3019	9.2	59 8.56	3.0109	0.0029	3 2 57.2	9.961	0.377	92.1	308 313a 329	2 2405	
3020	9.0	59 11.62	3.0098	0.0029	3 6 22.0	9.965	0.377	92.2	313a 325 329δ 332	2 2406	F5
3021	7.5	7 59 12.32	+2.9805	−0.0026	−4 32 41.7	− 9.966	−0.373	92.2	314 322	4 2197	G5
3022	8.7	59 20.08	3.0066	0.0029	3 15 52.0	9.976	0.376	92.2	314 327	3 2196	A2
3023	8.5	59 22.78	3.0259	0.0031	2 18 46.2	9.979	0.378	91.0 91.2	6.5 Beob.	2 2407	K0
3024	9.0	59 26.81	2.9977	0.0028	3 42 13.3	9.984	0.375	91.7	226 324	3 2198	K0
3025	8.3	59 38.84	2.9716	0.0025	4 59 17.7	9.999	0.371	92.2	314 325	4 2201	K0
3026	8.7	7 59 41.15	+3.0008	−0.0028	−3 33 12.7	−10.002	−0.375	90.1	92 104	3 2199	A3
3027	8.7	59 42.65	3.0215	0.0031	2 32 0.2	10.004	0.378	04.2	2 Beob.	2 2412	A0
3028	8.8	59 46.28	2.9548	0.0023	5 48 49.8	10.009	0.369	91.5	110 326 328	5 2352	K2
3029	9.0	59 51.02	3.0191	0.0030	2 39 7.5	10.015	0.377	92.2	311 333	2 2413	
3030	7.0	59 52.56	2.9688	0.0024	5 7 43.1	10.017	0.371	92.1 92.2	313a 322 329δ	5 2353	Ma
3031	7.0	7 59 58.24	+3.0077	−0.0029	−3 12 44.8	−10.024	−0.375	92.2	313a 327 329δ[1] 332	3 2202	A0
3032	9.0	59 58.68	3.0028	0.0028	3 27 20.8	10.024	0.375	92.2	323 327	3 2201	
3033	9.0	8 0 4.35	3.0241	0.0031	2 24 16.4	10.032	0.377	90.6	23 117 221 311	2 2415	A2
3034	8.5	0 16.10	2.9870	0.0027	4 14 22.6	10.046	0.373	92.1	310 333	4 2208	F8
3035	9.0	0 19.50	3.0234	0.0031	2 26 36.3	10.051	0.377	04.2	2 Beob.	2 2418	
3036	9.0	8 0 23.23	+2.9710	−0.0025	−5 1 30.3	−10.055	−0.370	91.6	226 308	4 2209	A0
3037	8.9	0 33.64	3.0014	0.0028	3 31 48.5	10.068	0.374	90.1	92 104	3 2206	F0
3038	8.7	0 34.87	2.9663	0.0024	5 15 34.7	10.070	0.370	92.2	314 326	5 2356	K0
3039	8.7	0 36.73	2.9765	0.0025	4 45 38.7	10.072	0.371	92.2	323 324	4 2210	K0
3040	9.0	0 41.58	2.9634	0.0024	5 24 11.3	10.078	0.369	92.2	325 328	5 2357	G5
3041	8.3	8 0 42.17	+2.9844	−0.0026	−4 22 19.4	−10.079	−0.372	92.1	310 322	4 2212	A0
3042	8.6	0 55.48	2.9481	0.0022	6 9 34.3	10.096	0.367	91.2	110 326	6 2450	K0
3043	8.5	1 4.32	3.0224	0.0031	2 29 37.3	10.107	0.376	90.7	117 221	2 2424	F8
3044	8.8	1 18.72	2.9888	0.0027	4 9 34.7	10.125	0.372	91.6	226 308	4 2214	A2
3045	7.8	1 23.61	3.0303	0.0032	2 6 25.4	10.131	0.377	91.5 91.2	130 132aδ 313a 329	1 1955	G5
3046	9.0	8 1 24.42	+3.0319	−0.0032	−2 1 37.7	−10.132	−0.377	90.5	23 130 132a 328	1 1954	
3047	8.7	1 33.08	3.0079	0.0029	3 13 4.8	10.143	0.374	92.1	311 325	3 2208	K2
3048	8.8	1 35.01	2.9782	0.0026	4 41 8.8	10.146	0.370	92.1	311 324	4 2218	Ma
3049	9.0	1 36.78	2.9465	0.0022	6 14 47.4	10.148	0.366	92.1	310 322	6 2457	
3050	9.1	1 37.93	2.9795	0.0026	4 37 17.0	10.149	0.370	92.1	311 324	[4 2219]	G5

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
3051	9.0	8^h 1^m $38^s.04$	$+2^s.9464$	$-0^s.0022$	−6° 15′ 18″.2	−10″.150	−0″.366	92.1	310 322	6° 2458	A2
3052	8.2	1 39.62	2.9711	0.0025	5 2 13.9	10.152	0.369	92.2	314 326	4 2220	K0
3053	8.8	1 42.43	2.9648	0.0024	5 20 48.6	10.155	0.368	92.2	323 327	5 2363	G0
3054	8.8	1 53.13	3.0186	0.0031	2 41 29.3	10.169	0.375	92.2	325 328	2 2430	A0
3055	8.2	2 4.07	2.9977	0.0028	3 43 34.5	10.182	0.372	90.7	117 221	3 2211	G5
3056	9.0	8 2 4.77	+3.0008	−0.0028	−3 34 22.2	−10.183	−0.373	90.1	92 104	3 2212	K2
3057	9.3	2 9.80	2.9810	0.0026	4 33 23.4	10.190	0.370	92.1	311 324	4 2223	G5
3058	8.8	2 14.36	3.0107	0.0030	3 5 2.5	10.195	0.374	91.7	226 327	2 2435	K2
3059	8.8	2 18.43	2.9479	0.0022	6 11 17.8	10.200	0.366	91.2	110 322	6 2464	F2
3060	9.0	2 20.81	3.0155	0.0030	2 50 50.1	10.203	0.374	91.1	23 313[a] 329	2 2436	K2
3061	8.7	8 2 35.49	+2.9884	−0.0027	−4 11 44.1	−10.222	−0.371	91.2 90.9	130 132[a]δ 314	4 2225	A5
3062	8.8	2 36.42	2.9612	0.0024	5 32 28.1	10.223	0.367	92.1	308 314	5 2368	F5
3063	7.0	2 40.60	3.0101	0.0030	3 7 2.0	10.228	0.373	92.2	313[a] 326 329	2 2437	Ma
3064	8.4	2 44.69	2.9549	0.0023	5 51 4.0	10.233	0.366	91.7	226 325	5 2371	K0
3065	8.2	2 59.60	2.9908	0.0027	4 4 46.4	10.252	0.370	92.1	310 324	3 2217	
3066	8.6	8 3 0.10	+2.9782	−0.0026	−4 42 6.6	−10.253	−0.369	91.2	110 322	4 2229	A2
3067	8.0	3 0.23	3.0037	0.0029	3 26 20.4	10.253	0.372	90.7	117 221	3 2216	K0
3068	9.1	3 5.62	2.9463	0.0022	6 16 56.8	10.260	0.365	92.2	323 326 328	[6 2471]	
3069	9.0	3 24.90	3.0277	0.0032	2 14 46.4	10.284	0.375	90.1	92 104	2 2447	F8
3070	9.0	3 30.17	3.0186	0.0031	2 42 1.0	10.290	0.373	92.1	308 311	2 2449	
3071	4.8	8 3 34.12	+3.0188	−0.0031	−2 41 33.2	−10.295	−0.373	91.2 90.9	130 132[a]δ 311	2 2450	G0
3072	9.0	3 55.69	3.0104	0.0030	3 6 49.3	10.322	0.372	90.7	117 221	2 2454	K
3073	9.0	4 1.36	2.9799	0.0026	4 37 54.9	10.329	0.368	91.7	226 322	4 2234	F5
3074	9.0	4 5.83	2.9673	0.0025	5 15 34.7	10.335	0.366	91.5	110 323 324	5 2378	G5
3075	7.5	4 17.17	2.9874	0.0027	4 15 40.1	10.349	0.369	92.1	310 322	4 2235	Ma
3076	8.1	8 4 41.83	+2.9559	−0.0023	−5 49 56.8	−10.380	−0.364	92.1	308 311	5 2381	K5
3077	8.0	4 50.70	2.9956	0.0028	3 51 28.2	10.391	0.369	91.5 91.2	130 132[a]δ 313[a] 323	3 2228	K0
3078	9.0	4 51.00	2.9746	0.0026	4 54 19.4	10.391	0.367	92.2	314 325	4 2238	K2
3079	8.8	4 51.66	2.9908	0.0028	4 6 2.0	10.392	0.368	91.7	226 324	3 2229	K0
3080	9 0	4 53.48	3.0199	0.0031	2 38 39.9	10.394	0.372	90.4	23 92 104 328	2 2463	A2
3081	8.8	8 5 0.29	+2.9665	−0.0025	−5 18 36.5	−10.403	−0.365	91.5	110 322 329	5 2386	K0
3082	8.7	5 12.75	3.0134	0.0031	2 58 26.3	10.418	0.371	90.7	117 221	2 2465	A2
3083	8.7	5 17.46	3.0065	0.0030	3 19 0.5	10.424	0.370	92.2	313[a] 323 325	3 2232	G5
3084	9.0	5 20.00	2.9619	0.0024	5 32 41.4	10.427	0.364	92.1	308 314	5 2389	K5
3085	9.0	5 27.34	2.9644	0.0025	5 25 23.4	10.437	0.365	92.1	311 322	5 2391	A0
3086	8.9	8 5 50.41	+2.9623	−0.0024	−5 31 53.3	−10.465	−0.364	91.6	226 308	5 2392	G5
3087	8.3	5 57.03	2.9806	0.0027	4 37 8.7	10.473	0.366	91.5	110 324 329	4 2242	A2
3088	9.1	6 3.54	3.0031	0.0030	3 29 43.7	10.482	0.369	91.6	130 308 310 328	[3 2236]	
3089	9.4	6 4.31	3.0331	0.0033	1 59 28.7	10.483	0.372	91.2	23 314 326	[1 1975]	A2
3090	9.0	6 11.90	3.0194	0.0032	2 40 39.8	10.492	0.371	90.1	92 104	2 2471	K0
3091	8.7	8 6 13.41	+2.9907	−0.0028	−4 7 2.0	−10.494	−0.367	92.1	311 324	3 2239	G0
3092	8.5	6 13.91	2.9978	0.0029	3 45 42.1	10.494	0.368	91.2	117 221 326	3 2240	F5
3093	8.5	6 15.83	3.0268	0.0033	2 18 29.2	10.497	0.372	92.2	313[a] 323 325	2 2472	F0
3094	8.8	6 38.50	3.0031	0.0030	3 30 13.5	10.525	0.368	92.0	308 310	3 2245	
3095	7.5	6 38.62	2.9587	0.0024	5 43 13.4	10.525	0.363	92.1	311 322	5 2395	G0
3096	8.9	8 6 48.54	+2.9706	−0.0026	−5 7 48.3	−10.537	−0.364	91.7	226 324	5 2396	A2
3097	9.0	6 49.32	3.0212	0.0032	2 35 39.6	10.538	0.370	91.2	130 314	2 2475	G0
3098	8.8	6 52.51	3.0120	0.0031	3 3 26.1	10.542	0.369	92.2	313[a] 325 328	2 2476	A2
3099	9.0	7 12.09	2.9503	0.0023	6 8 56.9	10.567	0.361	91.2	110 325	6 2506	G5
3100	8.0	7 12.91	2.9574	0.0024	5 47 42.2	10.568	0.362	92.1	310 322	5 2399	K0

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3101	9.0	8h 7m 22s.05	+3s.0004	−0s.0029	−3° 38′ 31″.4	−10″.579	−0″.367	90.7	117 221	3° 2252
3102	9.3	7 42.10	3.0336	0.0034	1 58 36.6	10.604	0.371	90.6	23 323	[1 1984]
3103	8.5	7 44.75	3.0265	0.0033	2 20 4.0	10.607	0.370	90.1	92 104	2 2480
3104	8.7	8 0.29	3.0299	0.0033	2 9 55.8	10.626	0.370	91.7	226 324	2 2482
3105	9.1	8 2.06	2.9682	0.0025	5 16 7.6	10.629	0.362	92.2	326 328	5 2411
3106	9.0	8 8 5.01	+3.0210	−0.0032	−2 36 39.7	−10.632	−0.369	91.2	130 323	2 2483
3107	9.0	8 5.51	2.9961	0.0029	3 52 2.7	10.633	0.366	98.2	2 Beob.	3 2256
3108	9.0	8 12.10	2.9668	0.0025	5 20 34.1	10.641	0.362	91.4	110 308 310	5 2414
3109	9.1	8 14.80	2.9962	0.0029	3 51 52.5	10.644	0.366	98.2	2 Beob.	[3 2258]
3110	8.6	8 21.53	2.9669	0.0025	5 20 23.1	10.653	0.362	98.1	2 Beob.	5 2419
3111	8.5	8 8 23.18	+2.9685	−0.0025	−5 15 25.8	−10.655	−0.362	92.0	308 310	5 2420
3112	8.7	8 25.57	2.9982	0.0029	3 45 50.9	10.658	0.366	90.7	117 221	3 2260
3113	9.0	8 39.60	3.0160	0.0032	2 52 17.3	10.675	0.368	90.7	23 332	2 2485
3114	7.1	8 39.74	2.9479	0.0023	6 17 34.9	10.675	0.359	91.7	226 324	6 2517
3115	9.0	8 48.05	2.9636	0.0025	5 30 43.3	10.685	0.361	98.2	2 Beob.	5 2432
3116	9.0	8 8 48.67	+2.9638	−0.0025	−5 29 55.0	−10.686	−0.361	92.2	322 323 328	5 2433
3117	8.8	8 50.41	2.9649	0.0025	5 26 46.5	10.688	0.361	92.2	322 328	5 2435
3118	8.6	8 51.19	2.9674	0.0025	5 19 18.4	10.689	0.361	92.0	308 310	5 2436
3119	8.5	8 56.09	2.9502	0.0023	6 11 4.6	10.695	0.359	92.2	327 328	6 2521
3120	8.9	8 57.49	2.9985	0.0029	3 45 5.7	10.697	0.365	91.2	130 329	3 2264
3121	8.2	8 9 0.17	+2.9867	−0.0028	−4 21 9.5	−10.700	−0.364	92.2	326 329	4 2259
3122	9.0	9 19.19	2.9656	0.0025	5 25 5.5	10.724	0.361	91.2	110 326	5 2446
3123	8.4	9 21.07	2.9620	0.0025	5 35 50.2	10.726	0.360	92.1	310 324	5 2447
3124	7.3	9 24.01	3.0031	0.0030	3 31 34.6	10.730	0.365	90.7	117 221	3 2268
3125	9.2	9 33.97	3.0190	0.0032	2 43 28.6	10.742	0.367	90.4	23 92 104 329	[2 2490]
3126	9.0	8 9 35.38	+2.9861	−0.0028	−4 23 12.3	−10.744	−0.363	91.7	226 327	4 2266
3127	9.1	10 3.41	2.9695	0.0026	5 13 46.5	10.778	0.360	92.2	322 323	5 2459
3128	9.0	10 11.61	2.9540	0.0024	6 0 45.7	10.788	0.359	92.2	323 324	5 2461
3129	8.8	10 16.17	3.0231	0.0033	2 31 20.6	10.794	0.367	91.2	130 310	2 2495
3130	9.0	10 16.39	2.9541	0.0024	6 0 37.0	10.794	0.358	91.1	110 308	5 2462
3131	9.0	8 10 35.75	+3.0160	−0.0032	−2 53 14.2	−10.818	−0.366	90.1	23 117 221	2 2498
3132	8.3	10 41.03	2.9601	0.0025	5 42 55.1	10.824	0.359	92.2	322 328	5 2463
3133	8.8	10 42.42	2.9807	0.0027	4 40 30.9	10.826	0.361	91.7	226 325	4 2272
3134	8.4	11 5.06	2.9632	0.0025	5 33 46.9	10.854	0.359	92.2	322 323	5 2465
3135	8.9	11 10.29	2.9756	0.0027	4 56 21.9	10.860	0.360	92.2	324 327 328	4 2275
3136	9.1	8 11 13.65	+2.9898	−0.0028	−4 13 13.8	−10.864	−0.362	92.2	325 328 330	[4 2278]
3137	9.1	11 17.32	2.9655	0.0025	5 27 0.2	10.869	0.359	91.9	226 326 332	5 2470
3138	8.8	11 23.46	3.0221	0.0033	2 34 41.6	10.876	0.366	91.2	130 329	2 2503
3139	7.0	11 25.89	3.0155	0.0032	2 55 8.6	10.879	0.365	89.8	23 92 104	2 2504
3140	9.1	11 49.41	2.9697	0.0026	5 14 52.9	10.908	0.359	92.0	308 310	5 2473
3141	7.4	8 12 0.45	+2.9724	−0.0026	−5 6 39.6	−10.922	−0.359	91.2	110 322	4 2284
3142	9.0	12 3.06	2.9747	0.0027	4 59 54.9	10.925	0.359	92.2	323 324	4 2285
3143	8.5	12 7.00	2.9529	0.0024	6 6 8.4	10.930	0.356	92.2	314 325	5 2474
3144	6.3	12 8.62	3.0129	0.0032	3 3 17.0	10.932	0.364	90.7	117 221	2 2509
3145	9.0	12 8.86	3.0229	0.0033	2 32 47.4	10.932	0.365	91.2	130 329	2 2510
3146	8.3	8 12 12.21	+3.0158	−0.0032	−2 54 26.8	−10.936	−0.364	91.2	130 328	2 2511
3147	8.8	12 13.28	2.9952	0.0029	3 57 29.5	10.937	0.361	91.7	226 326	3 2286
3148	9.1	12 17.60	2.9695	0.0026	5 15 55.2	10.943	0.358	92.1	308 310 327	5 2476
3149	7.5	12 18.75	2.9735	0.0027	5 3 39.5	10.944	0.359	91.2	110 322	4 2288
3150	8.8	12 23.85	2.9681	0.0026	5 20 20.3	10.950	0.358	04.2	2 Beob.	5 2477

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3151	∫ 8.8	8h 12m 24s.38	+2s.9679	−0s.0026	−5° 20′ 50″.1	−10″.951	−0″.358	04.2	2 Beob.	∫ 5° 2477
3152	7.3	12 27.63	3.0180	0.0033	2 47 51.6	10.955	0.364	90.7	23 329	2 2512
3153	7.7	12 30.55	3.0010	0.0030	3 40 1.1	10.958	0.362	92.2	314 324	3 2288
3154	9.0	12 31.01	3.0251	0.0034	2 26 1.6	10.959	0.365	92.2	326 329	2 2513
3155	8.8	12 32.24	2.9846	0.0028	4 30 7.3	10.961	0.360	92.2	314 326	4 2291
3156	8.8	8 12 40.13	+3.0323	−0.0035	−2 4 2.9	−10.970	−0.365	92.2	325 330	1 2003
3157	9.1	12 42.94	2.9681	0.0026	5 20 33.4	10.974	0.358	92.1	308 310 327 330	5 2481
3158	9.0	12 46.42	2.9933	0.0029	4 3 30.8	10.978	0.361	92.2	323 327	3 2290
3159	8.3	12 58.21	2.9532	0.0024	6 6 9.9	10.992	0.355	92.2	322 329	5 2482
3160	8.5	13 3.35	3.0003	0.0030	3 42 26.5	10.999	0.361	92.2	314 324	3 2291
3161	9.0	8 13 11.09	+3.0192	−0.0033	−2 44 32.5	−11.008	−0.363	91.7	226 327	2 2515
3162	8.8	13 40.85	2.9780	0.0027	4 51 7.5	11.044	0.358	92.2	325 329	4 2293
3163	9.0	13 44.85	2.9736	0.0027	5 4 44.3	11.049	0.357	92.2	326 330	4 2294
3164	8.7	13 48.20	2.9581	0.0025	5 52 10.5	11.053	0.355	92.2	326 330	5 2486
3165	8.2	13 48.87	2.9992	0.0030	3 46 19.7	11.054	0.360	92.1	308 314	3 2295
3166	8.6	8 13 49.52	+3.0141	−0.0032	−3 0 33.4	−11.055	−0.362	92.2	325 332	2 2522
3167	9.0	13 55.07	3.0226	0.0033	2 34 33.1	11.061	0.363	92.2	327 332	2 2525
3168	8.5	14 17.31	2.9906	0.0029	4 13 3.0	11.089	0.359	92.2	323 327	4 2299
3169	7.1	14 18.37	2.9692	0.0026	5 18 28.3	11.090	0.356	92.2	322 330	5 2489
3170	8.9	14 21.73	3.0265	0.0034	2 22 32.1	11.094	0.363	92.2	323 324	2 2527
3171	8.0	8 14 41.95	+2.9984	−0.0030	−3 49 28.0	−11.118	−0.359	92.1	308 314	3 2301
3172	9.0	14 55.83	3.0055	0.0031	3 27 31.6	11.135	0.360	91.7	226 326	3 2306
3173	8.2	15 1.34	3.0248	0.0034	2 28 12.0	11.142	0.362	92.2	325 329	2 2529
3174	6.5	15 19.60	2.9753	0.0027	5 0 48.4	11.164	0.356	92.2	314 322	4 2303
3175	8.7	15 21.26	3.0278	0.0034	2 19 4.8	11.166	0.362	92.2	323 324	2 2531
3176	9.0	8 15 31.45	+2.9900	−0.0029	−4 15 51.3	−11.178	−0.357	92.1	310 325	4 2304
3177	7.2	15 34.73	2.9500	0.0024	6 18 41.4	11.182	0.352	92.2	327 329	6 2560
3178	8.3	15 38.60	2.9853	0.0028	4 30 20.6	11.187	0.357	92.1	308 328	4 2305
3179	8.0	15 39.71	2.9525	0.0024	6 11 12.8	11.188	0.352	92.2	324 328	6 2561
3180	8.3	15 43.05	2.9786	0.0028	4 50 56.9	11.192	0.356	92.2	314 322	4 2306
3181	9.5	8 15 52.78	+3.0329	−0.0035	−2 3 29.5	−11.204	−0.362	92.2	323 326	[1 2015]
3182	7.8	15 54.55	2.9845	0.0028	4 32 59.8	11.206	0.356	91.6	226 308	4 2309
3183	8.8	16 3.01	2.9578	0.0025	5 55 10.6	11.217	0.353	90.8	92 104 332	5 2502
3184	8.4	16 5.65	2.9934	0.0030	4 5 45.4	11.220	0.357	90.7	117 221	3 2314
3185	9.0	16 8.61	2.9959	0.0030	3 57 56.7	11.223	0.357	92.2	324 328	3 2315
3186	9.0	8 16 13.25	+3.0127	−0.0032	−3 6 12.5	−11.229	−0.359	92.2	323 327	2 2535
3187	8.7	16 15.84	2.9905	0.0029	4 14 55.0	11.232	0.356	92.1	310 325	4 2310
3188	8.9	16 31.92	2.9722	0.0027	5 11 35.0	11.252	0.354	91.6	226 308	5 2504
3189	9.1	16 32.23	3.0242	0.0034	2 30 47.3	11.252	0.360	91.2	124a 130 330 333	2 2538
3190	8.9	16 37.00	3.0182	0.0033	2 49 25.9	11.258	0.359	90.2	124a 130	2 2539
3191	9.0	8 16 40.10	+2.9928	−0.0030	−4 7 55.7	−11.261	−0.356	92.2	314 326	3 2317
3192	9.0	16 43.77	2.9546	0.0024	6 5 45.9	11.266	0.352	92.2	327 329	5 2506
3193	9.4	16 48.92	3.0180	0.0033	2 49 51.5	11.272	0.359	98.2	2 Beob.	[2 2541]
3194	8.8	16 50.62	3.0223	0.0034	2 36 39.9	11.274	0.360	92.1	310 322	2 2542
3195	9.0	17 1.03	2.9983	0.0030	3 51 2.9	11.287	0.357	92.2	323 324	3 2318
3196	9.0	8 17 9.05	+2.9804	−0.0028	−4 46 41.7	−11.296	−0.354	92.2	325 329	4 2315
3197	9.5	17 27.09	3.0323	0.0035	2 5 52.7	11.318	0.360	91.2	92 104 327 330	[1 2025]
3198	6.3	17 34.79	2.9595	0.0025	5 51 34.7	11.327	0.351	91.6	226 308	5 2512
3199	8.0	17 53.40	3.0220	0.0034	2 38 14.6	11.350	0.358	90.7	117 221	2 2546
3200	8.0	17 57.30	2.9972	0.0030	3 55 20.0	11.354	0.355	92.1	310 322	3 2324

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3201	8.8	8h 17m 59s.46	+3s.0034	−0s.0031	−3° 36′ 3″.8	−11″.357	−0″.356	90.9	124a 130 328	3° 2326
3202	9.0	18 3.35	2.9909	0.0029	4 14 56.4	11.362	0.354	92.2	323 325	4 2318
3203	8.9	18 29.36	2.9797	0.0028	4 49 54.7	11.393	0.353	90.7 91.0	117 221 330δ[1]	4 2320
3204	8.4	18 31.02	2.9938	0.0030	4 6 8.7	11.395	0.354	92.0	308 310	3 2327
3205	8.8	18 32.60	3.0175	0.0033	2 52 35.8	11.397	0.357	91.7	226 324	2 2553
3206	8.2	8 18 58.24	+3.0222	−0.0034	−2 38 3.3	−11.427	−0.357	90.9	124a 130 329	2 2557
3207	8.5	18 59.06	2.9573	0.0025	5 59 54.3	11.428	0.349	92.2	324 328	5 2518
3208	8.8	19 3.97	2.9872	0.0029	4 27 18.4	11.434	0.353	92.2	326 329	4 2324
3209	7.8	19 14.96	2.9698	0.0027	5 21 22.8	11.448	0.351	92.2	322 330δ 337	5 2519
3210	8.8	19 17.23	3.0325	0.0036	2 5 55.1	11.450	0.358	90.1	92 104	1 2030
3211	8.7	8 19 19.36	+3.0187	−0.0034	−2 49 13.5	−11.453	−0.356	92.1	310 322	2 2559
3212	9.0	19 21.77	2.9921	0.0030	4 12 11.0	11.456	0.353	92.2	326 328	4 2325
3213	9.0	19 34.94	3.0347	0.0036	1 59 7.2	11.471	0.358	92.2	326 332	1 2031
3214	6.0	19 36.02	3 0071	0.0032	3 25 36.2	11.473	0.355	92.2	323 325	3 2333
3215	6.5	19 37.61	2.9885	0.0029	4 23 30.8	11.475	0.352	90.7	117 221	4 2328
3216	8.8	8 19 50.99	+3.0136	−0.0033	−3 5 17.0	−11.491	−0.355	90.9	124a 130 337	2 2561
3217	8.9	19 51.81	2.9853	0.0029	4 33 45.5	11.492	0.352	92.2	327 332	4 2329
3218	9.0	19 55.23	2.9575	0.0025	6 0 19.7	11.496	0.348	92.2	3 Beob.	5 2520
3219	8.5	20 13.39	2.9713	0.0027	5 17 51.6	11.517	0.350	92.2	326 328	5 2522
3220	8.9	20 15.47	3.0056	0.0032	3 30 31.8	11.520	0.354	98.2 97.0	3 Beob.	3 2337
3221	8.6	8 20 30.04	+3.0194	−0.0034	−2 47 35.2	−11.537	−0.355	92.2	314 327	2 2565
3222	8.6	20 39.36	2.9741	0.0027	5 9 26.3	11.548	0.350	92.2	325 330	5 2523
3223	**3.6**	**20 39.83**	**3.0043**	**0.0032**	**3 34 48.2**	**11.549**	**0.353**		**Fund. Kat.**	**3 2339**
3224	8.3	20 47.46	3.0124	0.0033	3 9 45.0	11.558	0.354	92.2	325 332	3 2340
3225	7.5	20 48.95	2.9992	0.0031	3 51 6.9	11.560	0.352	90.7	117 221	3 2341
3226	9.0	8 20 49.30	+3.0220	−0.0034	−2 39 25.7	−11.560	−0.355	92.2	3 Beob.	2 2566
3227	8.8	21 1.40	2.9855	0.0029	4 33 57.5	11.575	0.351	92.2	326 328	4 2334
3228	8.8	21 7.37	2.9733	0.0027	5 12 12.9	11.582	0.349	92.2	328 333	5 2525
3229	9.1	21 14.48	2.9692	0.0027	5 25 13.0	11.590	0.348	92.2	3 Beob.	5 2526
3230	8.6	21 21.79	2.9670	0.0026	5 32 12.7	11.599	0.348	92.2	326 332	5 2527
3231	8.5	8 21 22.50	+2.9894	−0.0029	−4 22 11.9	−11.600	−0.351	92.2	314 322	4 2337
3232	8.2	21 26.34	3.0268	0.0035	2 24 35.2	11.604	0.355	90.9	124a 130 330	2 2572
3233	8.5	21 27.50	2.9553	0.0025	6 8 44.6	11.606	0.346	92.2	325 329	6 2591
3234	6.2	21 27.51	3.0030	0.0031	3 39 30.1	11.606	0.352	92.2	324 329	3 2345
3235	9.0	21 56.55	2.9906	0.0030	4 19 0.2	11.640	0.350	92.2	314 322	4 2341
3236	7.8	8 21 58.94	+2.9607	−0.0025	−5 52 29.3	−11.643	−0.347	92.1	310 324	5 2529
3237	9.0	22 0.72	2.9987	0.0031	3 53 23.0	11.645	0.351	90.7	117 221	3 2350
3238	9.5	22 11.19	2.9931	0.0030	4 11 6.8	11.658	0.350	92.2	314 333	[4 2342]
3239	9.0	22 12.76	3.0136	0.0033	3 6 44.4	11.659	0.353	90.9	124a 130 328	2 2576
3240	8.3	22 14.76	3.0120	0.0033	3 11 49.1	11.662	0.352	91.1	205 207	3 2353
3241	7.0	8 22 22.05	+2.9569	−0.0025	−6 4 46.7	−11.670	−0.346	91.7	226 326	5 2530
3242	8.8	22 27.32	3.0213	0.0034	2 42 40.7	11.677	0.353	92.1	310 324	2 2577
3243	9.2	22 33.81	2.9541	0.0024	6 13 49.1	11.684	0.345	92.2	327 330	6 2596
3244	7.5	22 38.13	2.9812	0.0028	4 48 59.6	11.690	0.348	92.2	322 329	4 2347
3245	8.8	22 39.57	3.0324	0.0036	2 7 28.5	11.691	0.354	92.2	314 325	1 2046
3246	7.0	8 22 41.38	+2.9952	−0.0030	−4 5 1.8	−11.693	−0.350	90.7	117 221	3 2356
3247	8.8	22 52.00	2.9922	0.0030	4 14 39.7	11.706	0.349	91.1	205 207	4 2350
3248	9.0	22 59.19	2.9644	0.0026	5 42 9.4	11.714	0.346	92.2	325 328	5 2535
3249	9.0	23 3.51	2.9714	0.0027	5 20 9.4	11.720	0.347	98.2	2 Beob.	5 2537
3250	9.0	23 3.83	2.9665	0.0026	5 35 29.0	11.720	0.346	92.2	326 328	5 2538

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3251	9.0	8h 23m 11s.28	+2s.9529	−0s.0024	−6° 18′ 14″.2	−11″.729	−0″.344	92.1	310 333	6° 2603
3252	8.2	23 23.87	2.9978	0.0031	3 57 15.0	11.744	0.349	90.9	124[a] 130 329	3 2360
3253	7.0	23 26.35	3.0314	0.0036	2 11 7.9	11.747	0.353	90.1	92 104	2 2581
3254	9.0	23 42.81	2.9929	0.0030	4 12 57.0	11.766	0.348	91.1	205 207	4 2355
3255	8.8	23 42.88	2.9705	0.0027	5 23 40.2	11.766	0.346	91.7	226 324	5 2541
3256	8.8	8 23 49.07	+2.9988	−0.0031	−3 54 20.6	−11.773	−0.349	90.7	117 221	3 2362
3257	7.7	24 9.32	2.9678	0.0026	5 32 36.7	11.797	0.345	92.2	322 328	5 2544
3258	8.8	24 16.31	2.9725	0.0027	5 17 54.9	11.806	0.345	92.1	310 324	5 2545
3259	(9.4)[1]	24 24.54	2.9717	0.0027	5 20 27.4	11.815	0.345	98.2	2 Beob.	— —
3260	9.4	24 28.40	2.9826	0.0029	4 46 18.0	11.820	0.346	92.2	325 327 329 332	[4 2361]
3261	8.7	8 24 33.27	+2.9652	−0.0026	−5 41 8.8	−11.826	−0.344	91.1	205[2] 207	5 2547
3262	8.5	24 36.22	3.0058	0.0032	3 32 49.1	11.829	0.349	91.2	124[a] 130 326 328	3 2368
3263	9.2	24 37.40	3.0342	0.0037	2 2 32.2	11.830	0.352	92.2	325 329	[1 2056]
3264	8.8	24 40.38	3.0196	0.0034	2 49 6.4	11.834	0.350	91.7	226 322	2 2589
3265	9.2	24 44.71	3.0184	0.0034	2 53 3.8	11.839	0.350	92.2	324 330	2 2590
3266	8.4	8 24 45.23	+2.9596	−0.0025	−5 59 2.6	−11.840	−0.343	91.1	205 207	5 2550
3267	9.1	25 0.52	2.9957	0.0031	4 5 4.7	11.858	0.347	90.1	92 104	[3 2372]
3268	7.8	25 15.89	3.0342	0.0037	2 2 44.0	11.876	0.351	90.8	124[a] 130 310	1 2058
3269	9.4	25 42.42	2.9774	0.0028	5 3 47.2	11.907	0.344	92.2	314 325	[4 2368]
3270	8.9	25 47.70	3.0067	0.0032	3 30 48.0	11.913	0.348	91.2	117 221 226 327	3 2375
3271	8.5	8 26 17.71	+3.0317	−0.0036	−2 11 9.5	−11.948	−0.350	90.7	117 221	2 2595
3272	9.3	26 25.35	2.9663	0.0026	5 39 42.2	11.957	0.342	91.1	205 207	5 2562
3273	9.1	26 35.90	2.9647	0.0026	5 44 55.4	11.969	0.342	91.2	92 104 327 332	5 2563
3274	9.0	26 39.32	2.9565	0.0025	6 11 11.3	11.973	0.341	92.2	322 328	6 2625
3275	9.1	26 45.62	2.9604	0.0025	5 58 53.4	11.981	0.341	91.9	226 322 330	5 2564
3276	9.0	8 26 47.13	+3.0082	−0.0033	−3 26 45.5	−11.983	−0.347	90.8	124[a] 130 310	3 2380
3277	8.8	27 5.63	2.9894	0.0030	4 27 3.7	12.004	0.344	92.2	314 324	4 2376
3278	9.3	27 7.60	2.9692	0.0027	5 31 22.1	12.007	0.342	92.2	322 326 328 329	5 2565
3279	9.0	27 18.57	3.0298	0.0036	2 17 50.0	12.019	0.348	91.7	226 324	2 2604
3280	7.5	27 20.35	2.9834	0.0029	4 46 11.2	12.021	0.343	91.1	205 207	4 2377
3281	7.5	8 27 36.88	+3.0197	−0.0035	−2 50 22.7	−12.041	−0.347	90.7	117 221	2 2608
3282	7.7	27 38.63	2.9687	0.0027	5 33 36.3	12.043	0.341	92.1	310 324	5 2566
3283	8.5	27 47.95	3.0033	0.0032	3 43 8.7	12.054	0.345	90.6	124[a] 130 314[3]	3 2384
3284	9.0	27 51.72	3.0071	0.0033	3 30 49.9	12.058	0.345	92.2	322 328	3 2385
3285	8.9	27 52.25	2.9975	0.0031	4 1 38.5	12.059	0.344	92.1	310 325	3 2386
3286	9.0	8 28 0.90	+2.9560	−0.0025	−6 14 22.2	−12.069	−0.339	90.8	92 104 327	6 2634
3287	8.9	28 4.36	2.9610	0.0026	5 58 29.9	12.073	0.340	92.2	314 326	5 2567
3288	7.0	28 12.95	2.9816	0.0029	4 52 55.2	12.083	0.342	91.1	205 207	4 2379
3289	8.0	28 19.39	2.9797	0.0028	4 59 9.3	12.090	0.341	91.7	226 325	4 2380
3290	7.9	28 29.58	3.0237	0.0035	2 38 7.9	12.102	0.346	90.9	124[a] 130 329	2 2613
3291	9.1	8 28 52.69	+2.9868	−0.0029	−4 36 55.9	−12.129	−0.342	92.2	314 326 332	4 2382
3292	8.3	28 52.97	2.9953	0.0031	4 9 35.7	12.129	0.343	90.7	117 221	4 2383
3293	8.7	28 58.53	2.9668	0.0026	5 41 10.0	12.136	0.339	92.2	325 329	5 2572
3294	8.3	28 59.64	2.9626	0.0026	5 54 37.8	12.137	0.339	92.1	310 322	5 2573
3295	9.0	29 2.58	3.0104	0.0033	3 21 16.4	12.140	0.344	92.2	325[a] 329	3 2394
3296	8.3	8 29 4.71	+2.9583	−0.0025	−6 8 24.3	−12.143	−0.338	91.1	205 207	5 2574
3297	8.3	29 17.53	3.0185	0.0035	2 55 13.7	12.158	0.345	91.7	226 326	2 2615
3298	8.4	29 24.94	3.0287	0.0036	2 22 28.6	12.166	0.346	92.2	324 328	2 2616
3299	9.6	29 29.09	2.9698	0.0027	5 31 59.0	12.171	0.339	92.2	327 330	[5 2577]
3300	8.5	29 30.83	2.9564	0.0025	6 14 47.7	12.173	0.337	90.1	92 104	6 2642

[1] Schätzung 04.153 [2] δ ½ [3] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3301	8.0	$8^h\ 29^m\ 35^s.24$	$+3^s.0280$	$-0^s.0036$	$-2°\ 24'\ 40''.8$	$-12''.178$	$-0''.346$	92.2	324 328	2° 2618
3302	9.0	29 35.83	2.9833	0.0029	4 48 43.7	12.179	0.340	92.2	326 330	4 2386
3303	8.5	29 46.90	3.0020	0.0032	3 48 36.0	12.192	0.342	92.2	325 329	3 2398
3304	8.7	29 53.82	3.0236	0.0035	2 39 6.4	12.200	0.345	92.2	326 330	2 2619
3305	9.2	30 0.81	2.9569	0.0025	6 14 3.3	12.208	0.337	91.2	92 104 332 333	6 2646
3306	9.0	8 30 7.86	+3.0041	−0.0032	−3 42 21.7	−12.216	−0.342	92.2	327 329	3 2400
3307	9.2	30 8.55	3.0299	0.0036	2 18 43.6	12.217	0.345	92.2	324 328	2 2620
3308	9.3	30 24.15	2.9978	0.0031	4 2 41.7	12.235	0.341	92.2	326 329	[3 2402]
3309	9.3	30 26.08	2.9763	0.0028	5 12 10.7	12.237	0.339	92.2	325 328	5 2582
3310	9.1	30 29.10	3.0291	0.0036	2 21 31.0	12.241	0.345	92.2	324 328	2 2623
3311	9.5	8 30 47.00	+2.9769	−0.0028	−5 10 28.8	−12.261	−0.338	92.2	325 328	5 2585
3312	9.2	31 24.89	3.0048	0.0032	3 40 46.5	12.305	0.341	98.2	2 Beob.	3 2405
3313	8.5	31 31.97	3.0144	0.0034	3 9 52.3	12.313	0.342	92.2	325 328	3 2406
3314	8.3	31 52.84	3.0042	0.0032	3 43 17.3	12.337	0.340	90.1	92 104	3 2408
3315	9.0	31 59.98	3.0239	0.0036	2 39 7.8	12.345	0.342	92.2	314 324	2 2632
3316	8.9	8 32 10.30	+2.9964	−0.0031	−4 8 46.5	−12.357	−0.339	91.9	229 322 330	3 2409
3317	9.0	32 11.51	3.0055	0.0033	3 39 7.1	12.359	0.340	91.1	205 207	3 2410
3318	8.2	32 25.24	2.9599	0.0025	6 7 27.7	12.374	0.334	91.9	226 324 326	5 2590
3319	6.2	32 28.57	2.9884	0.0030	4 35 8.8	12.378	0.338	91.2	115 328	4 2401
3320	8.7	32 39.38	3.0159	0.0034	3 5 40.1	12.391	0.340	90.5	101 117 221	2 2637
3321	8.8	8 33 9.37	+2.9571	−0.0025	−6 17 21.4	−12.425	−0.333	90.8	90 99 329	6 2667
3322	6.7	33 24.83	2.9568	0.0025	6 18 42.8	12.443	0.333	90.8	90 99 330	6 2669
3323	9.0	33 40.54	2.9644	0.0026	5 54 21.6	12.460	0.333	91.2	205 207 229	5 2598
3324	8.9	33 42.12	2.9612	0.0025	6 4 37.0	12.462	0.333	91.1	115 314	5 2599
3325	9.0	33 45.24	2.9940	0.0031	4 17 54.8	12.466	0.337	90.1	92 104	4 2407
3326	9.1	8 33 49.78	+3.0214	−0.0035	−2 48 27.1	−12.471	−0.340	91.5	101 328 332	2 2645
3327	8.8	33 50.78	3.0076	0.0033	3 33 36.2	12.472	0.338	90.7	117 221	3 2420
3328	8.3	33 51.02	2.9703	0.0027	5 35 16.0	12.472	0.334	91.1	205 207	5 2601
3329	8.5	33 55.18	2.9660	0.0026	5 49 20.7	12.477	0.333	91.7	229 322	5 2602
3330	8.6	34 4.02	3.0237	0.0036	2 40 59.2	12.487	0.340	90.7	124[a] 130 132[a] 329	2 2647
3331	9.7	8 34 8.72	+2.9954	−0.0031	−4 13 37.9	−12.493	−0.336	91.7	226 325	[4 2408]
3332	9.1	34 15.06	2.9599	0.0025	6 9 32.6	12.500	0.332	91.7	226 326	[6 2673]
3333	9.0	34 18.93	3.0119	0.0034	3 19 54.2	12.504	0.338	90.7	124[a] 130 132[a] 330	3 2425
3334	9.1	34 22.56	2.9969	0.0031	4 8 58.2	12.508	0.336	92.2	326 327 329	[3 2426]
3335	8.0	34 25.42	2.9904	0.0030	4 30 29.6	12.512	0.335	92.2	324 328	4 2410
3336	8.2	8 34 25.92	+3.0056	−0.0033	3 40 35.7	−12.512	−0.337	91.7	229 325	3 2427
3337	8.7	34 27.23	2.9862	0.0029	4 44 4.8	12.514	0.335	91.1	205 207	4 2411
3338	9.5	35 3.55	2.9610	0.0025	6 7 5.4	12.555	0.331	90.8	90 99 333	[5 2603]
3339	9.2	35 4.84	2.9859	0.0029	4 45 38.8	12.557	0.334	90.5	117 221[1]	4 2414
3340	8.5	35 13.15	2.9928	0.0030	4 23 17.7	12.566	0.335	90.1	92 104	4 2415
3341	8.8	8 35 14.99	+3.0099	−0.0033	−3 27 10.2	−12.568	−0.337	91.2	101 328	3 2430
3342	9.0	35 17.87	2.9712	0.0027	5 33 55.5	12.571	0.332	91.2	115 329	5 2606
3343	9.0	35 29.37	2.9858	0.0029	4 46 21.6	12.584	0.334	91.2	205 207 229	4 2416
3344	8.8	35 32.65	3.0338	0.0037	2 8 31.1	12.588	0.339	90.2	5 Beob.	1 2103
3345	8.3	35 34.06	3.0067	0.0033	3 37 43.3	12.590	0.336	91.7	226 325	3 2432
3346	9.1	8 35 38.41	+3.0035	−0.0032	−3 48 26.4	−12.595	−0.335	92.2	327 328	[3 2433]
3347	8.9	35 39.69	3.0298	0.0037	2 21 55.2	12.596	0.338	92.2	326 329	2 2652
3348	9.3	35 43.59	2.9889	0.0030	4 36 37.4	12.601	0.334	92.2	325 330	[4 2417]
3349	8.9	35 43.72	3.0363	0.0038	2 0 25.9	12.601	0.339	92.2	326 329	1 2104
3350	9.1	35 46.15	2.9755	0.0028	5 20 30.9	12.603	0.332	92.2	327 332	5 2608

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3351	8.5	8h 35m 46s.71	+3s.0024	—0s.0032	—3° 52′ 3″.3	—12″.604	—0″.335	91.7	205 328	3° 2434
3352	9.0	35 55.86	2.9905	0.0030	4 31 33.2	12.614	0.334	92.2	325 330	4 2419
3353	8.9	35 56.15	3.0034	0.0032	3 49 3.5	12.615	0.335	91.7	226 327	3 2436
3354	9.0	35 57.40	3.0320	0.0037	2 14 45.3	12.616	0.338	92.2	326 330	2 2654
3355	9.1	35 58.74	2.9922	0.0030	4 25 45.9	12.618	0.334	90.1	90 99	4 2420
3356	7.8	8 36 19.20	+2.9919	—0.0030	—4 27 7.2	—12.641	—0.333	97.1 01.3	4 Beob.	4 2421
3357	8.6	36 21.39	2.9604	0.0025	6 10 41.2	12.643	0.330	91.1	115 314	6 2687
3358	8.8	36 22.31	2.9961	0.0031	4 13 26.1	12.644	0.334	90.7	117 221	4 2423
3359	8.9	36 42.35	2.9592	0.0025	6 15 6.7	12.667	0.329	91.7	229 325	6 2690
3360	8.3	36 52.64	2.9775	0.0028	5 15 12.4	12.679	0.331	91.1	205 207	5 2609
3361	8.6	8 37 3.92	+2.9942	—0.0031	—4 20 20.7	—12.692	—0.333	90.8	92 104 329	4 2425
3362	7.5	37 7.25	3.0241	0.0036	2 41 32.1	12.695	0.336	90.6	5 Beob.	2 2659
3363	9.4	37 18.89	2.9936	0.0031	4 22 24.6	12.708	0.332	91.6	226 229 325	[4 2426]
3364	8.8	37 32.34	3.0077	0.0033	3 36 8.1	12.724	0.334	90.8	117 209 221	3 2444
3365	7.2	37 37.22	2.9996	0.0032	4 3 4.7	12.729	0.333	90.8 90.9	90 99[1] 330	3 2445
3366	8.7	8 37 49.76	+2.9958	—0.0031	—4 15 52.4	—12.743	—0.332	90.6	115 209	4 2427
3367	8.4	37 54.51	3.0306	0.0037	2 20 12.9	12.749	0.336	95.5	3 Beob.	2 2666
3368	9.1	37 58.67	2.9970	0.0031	4 12 2.4	12.753	0.332	90.6	115 209	[4 2428]
3369	8.8	38 35.26	3.0118	0.0034	3 23 14.0	12.794	0.333	90.8	92 104 330	3 2452
3370	9.2	38 42.77	2.9986	0.0031	4 7 20.1	12.803	0.331	91.2	90 99 327 329	[3 2453]
3371	8.3	8 38 50.92	+2.9707	—0.0027	—5 40 0.4	—12.812	—0.328	90.7	124[2] 130 132[2] 314	5 2616
3372	8.9	38 58.84	2.9742	0.0027	5 28 23.6	12.821	0.328	91.2	205 207 226 229	5 2618
3373	8.0	39 1.55	2.9621	0.0025	6 8 35.8	12.824	0.327	91.7	207 325	5 2619
3374	7.8	39 4.05	3.0037	0.0032	3 50 29.0	12.827	0.331	90.7	117 221	3 2454
3375	8.5	39 22.22	2.9877	0.0030	4 43 59.3	12.847	0.329	91.7	226 325	4 2435
3376	8.8	8 39 27.45	+3.0365	—0.0038	—2 1 8.3	—12.853	—0.334	91.5	101 314 327	1 2122
3377	8.3	39 28.55	2.9677	0.0026	5 50 41.6	12.854	0.327	91.7 91.9	229[1] 326	5 2620
3378	8.3	39 52.39	3.0262	0.0036	2 36 5.8	12.881	0.333	90.8	117 209[1] 221	2 2674
3379	9.1	39 57.23	3.0071	0.0033	3 39 49.3	12.886	0.330	90.7	124[2] 130 132[2] 328	3 2458
3380	9.0	39 59.21	2.9621	0.0025	6 9 55.2	12.888	0.325	90.1	90 99	6 2713
3381	8.8	8 40 11.31	+2.9942	—0.0031	—4 23 7.4	—12.902	—0.329	90.8	92 104 329	4 2441
3382	(6.9)[2]	40 17.71	3.0328	0.0038	2 14 15.0	12.909	0.333	91.1	205 207	2 2676
3383	8.4	40 23.17	3.0134	0.0034	3 19 4.5	12.915	0.331	91.7	226 325	3 2462
3384	8.9	40 56.94	3.0203	0.0035	2 56 16.9	12.953	0.331	90.8	117 209 221	2 2677
3385	8.3	41 3.91	2.9624	0.0025	6 10 29.5	12.961	0.324	90.1	90 99	6 2719
3386	9.0	8 41 12.98	+2.9874	—0.0029	—4 47 10.6	—12.971	—0.327	90.6	115 209	4 2447
3387	9.2	41 16.04	2.9693	0.0026	5 47 31.8	12.974	0.325	91.7	229 327	[5 2623]
3388	9.0	41 21.42	2.9720	0.0027	5 38 38.5	12.980	0.325	91.7	226 326	5 2624
3389	9.0	41 23.85	2.9978	0.0031	4 12 20.1	12.983	0.328	92.2	327 328	4 2448
3390	8.0	41 25.72	2.9648	0.0026	6 2 42.9	12.985	0.324	91.2	115 329	5 2625
3391	8.3	8 41 27.49	+3.0219	—0.0036	—2 51 12.9	—12.987	—0.330	91.7	229 326	2 2680
3392	9.0	41 39.06	3.0090	0.0033	3 34 59.8	13.000	0.328	92.2	327 329	3 2469
3393	8.7	41 48.60	3.0153	0.0034	3 13 45.1	13.010	0.329	92.2	326 329	3 2470
3394	9.0	41 58.47	3.0332	0.0038	2 13 42.7	13.021	0.331	91.1	205 207	2 2682
3395	9.1	42 1.60	2.9665	0.0026	5 57 54.3	13.025	0.323	90.1	90 99	[5 2629]
3396	8.8	8 42 23.57	+2.9726	—0.0027	—5 38 6.8	—13.049	—0.324	91.1	205 207	5 2630
3397	8.9	42 25.99	2.9743	0.0027	5 32 11.8	13.052	0.324	91.7	226 327	5 2632
3398	8.8	42 32.81	2.9772	0.0028	5 22 48.0	13.059	0.324	91.7	229 326	5 2633
3399	8.2	42 33.09	3.0091	0.0033	3 35 15.5	13.059	0.327	90.8	117 209 221	3 2473
3400	9.0	42 38.40	3.0117	0.0034	3 26 38.8	13.065	0.328	91.7	229 333	3 2474

[1] δ ½ [2] Dupl. 4s seq.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3401	8.2	8h 42m 46s.83	+3s.0078	−0s.0033	−3° 39′ 58″.4	−13″.075	−0″.327	91.1	205 207	3° 2476
3402	8.3	42 52.80	2.9829	0.0029	5 3 59.8	13.081	0.324	90.6	115 209	4 2456
3403	8.9	43 2.37	3.0229	0.0036	2 48 57.7	13.092	0.328	90.7	117 221	2 2690
3404	9.2	43 8.15	2.9654	0.0026	6 3 9.0	13.098	0.322	92.2	327 329	[5 2635]
3405	6.8	43 8.65	2.9629	0.0025	6 11 22.5	13.099	0.321	90.1	90 99	6 2727
3406	8.2	8 43 23.10	+3.0347	−0.0038	−2 9 6.8	−13.115	−0.329	90.6	101 209	1 2136
3407	9.4	43 23.27	2.9787	0.0028	5 18 40.3	13.115	0.323	92.2	326 329	[5 2636]
3408	8.7	43 28.42	2.9813	0.0028	5 10 8.3	13.121	0.323	91.7	226 325	5 2638
3409	8.3	43 38.47	2.9994	0.0032	4 9 10.6	13.132	0.325	91.2	115 328	3 2478
3410	9.0	44 3.78	3.0282	0.0037	2 31 34.8	13.159	0.328	91.1	205 207	2 2695
3411	7.5	8 44 4.97	+2.9868	−0.0029	−4 52 9.6	−13.161	−0.323	90.1	90 99	4 2461
3412	9.0	44 5.34	3.0243	0.0036	2 44 57.8	13.161	0.327	90.9	130 132a 329	2 2696
3413	9.0	44 10.30	3.0369	0.0038	2 2 12.5	13.167	0.328	91.1	101 314	1 2138
3414	5.7	44 20.20	3.0186	0.0035	3 4 19.8	13.178	0.326	90.1	92 104	2 2699
3415	9.4	44 44.00	2.9879	0.0029	4 49 14.7	13.204	0.322	92.2	326 328	[4 2464]
3416	7.2	8 44 45.39	+2.9790	−0.0028	−5 19 23.0	−13.205	−0.321	91.2	124 226 325	5 2642
3417	8.5	44 48.73	3.0236	0.0036	2 47 55.2	13.209	0.326	90.8	117 209 221	2 2702
3418	8.9	44 52.40	2.9961	0.0031	4 21 35.3	13.213	0.323	91.1	205 207	4 2465
3419	9.4	44 55.75	2.9626	0.0025	6 15 5.8	13.217	0.319	92.2	326 328	6 2736
3420	8.5	45 2.32	2.9740	0.0027	5 36 30.9	13.224	0.320	91.7	229 325	5 2644
3421	8.7	8 45 6.24	+2.9872	−0.0029	−4 51 55.5	−13.228	−0.322	90.1	90 99	4 2467
3422	8.1	45 13.07	3.0313	0.0037	2 21 48.4	13.236	0.326	91.1	101 314	2 2706
3423	7.0	45 23.86	3.0057	0.0033	3 49 16.5	13.247	0.323	90.7	117 221	3 2486
3424	9.1	45 24.38	2.9823	0.0028	5 8 53.7	13.248	0.321	92.2	327 328	4 2468
3425	8.9	45 32.80	3.0294	0.0037	2 28 32.2	13.257	0.326	90.9	130 132a 329	2 2707
3426	7.1	8 45 37.19	+2.9969	−0.0031	−4 19 39.6	−13.262	−0.322	90.6	115 209	4 2469
3427	8.9	45 43.07	3.0182	0.0035	3 6 56.2	13.268	0.324	94.8	3 Beob.	2 2709
3428	8.8	45 48.29	2.9847	0.0029	5 1 9.4	13.274	0.321	91.7	226 327	4 2470
3429	8.8	45 50.39	2.9932	0.0030	4 32 23.1	13.276	0.321	91.7	229 327	4 2471
3430	9.0	45 54.72	2.9677	0.0026	5 59 3.6	13.281	0.319	95.5	3 Beob.	5 2646
3431	8.0	8 46 13.41	+2.9700	−0.0026	−5 51 52.4	−13.302	−0.318	92.2	314 333	5 2647
3432	8.5	46 17.49	2.9782	0.0028	5 24 1.0	13.306	0.319	91.2	115 328	5 2648
3433	9.3	46 21.77	2.9696	0.0026	5 53 28.3	13.311	0.318	92.2	330 333	5 2650
3434	8.1	46 35.81	3.0220	0.0036	2 54 28.6	13.326	0.324	90.6	101 117 209 221	2 2714
3435	8.1	46 36.87	2.9978	0.0031	4 17 31.5	13.327	0.321	90.9	130 132a 330	4 2474
3436	8.5	8 46 38.14	+2.9749	−0.0027	−5 35 41.8	−13.329	−0.318	91.2	124 314	5 2651
3437	8.8	46 38.90	2.9849	0.0029	5 1 32.0	13.329	0.319	92.2	327 328	4 2475
3438	9.1	46 41.29	2.9915	0.0030	4 39 0.6	13.332	0.320	92.2	330 333	4 2476
3439	8.9	47 24.13	2.9692	0.0026	5 56 10.1	13.379	0.317	90.1	92 104	5 2653
3440	9.0	47 53.43	3.0198	0.0035	3 2 51.6	13.410	0.322	90.6	101 117 209 221	2 2724
3441	8.5	8 48 6.18	+3.0051	−0.0032	−3 53 47.1	−13.424	−0.320	90.9	130 132a 328	3 2496
3442	8.7	48 12.07	3.0071	0.0033	3 46 52.0	13.431	0.320	91.1	205 207	3 2497
3443	9.1	48 18.87	3.0223	0.0036	2 54 38.2	13.438	0.321	90.9	130 132a 328	2 2725
3444	7.8	48 27.97	2.9714	0.0026	5 50 1.8	13.448	0.316	90.6	115 209	5 2656
3445	9.1	48 28.92	2.9821	0.0028	5 13 19.8	13.449	0.317	91.2	124 314	5 2655
3446	8.8	8 48 37.35	+2.9648	−0.0025	−6 12 53.7	−13.458	−0.315	90.1	90 99	6 2752
3447	8.7	48 45.43	2.9766	0.0027	5 32 41.7	13.467	0.316	90.1	92 104	5 2657
3448	9.0	48 56.20	2.9647	0.0025	6 13 48.2	13.478	0.314	90.1	90 99	6 2754
3449	8.5	49 0.73	2.9767	0.0027	5 32 29.4	13.483	0.315	91.2	92 327	5 2658
3450	9.0	49 6.20	3.0161	0.0034	3 16 28.8	13.489	0.320	91.1	205 207	3 2500

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
3451	8.8	8h 49m 7s.70	+3s.0365	−0s.0038	−2° 5′ 50″.6	−13″.491	−0″.322	90.7	101 130 132a 330	1° 2154
3452	9.3	49 10.92	3.0359	0.0038	2 7 47.3	13.494	0.322	91.7	221 327	[1 2155]
3453	9.0	49 15.84	3.0003	0.0031	4 11 15.2	13.499	0.318	91.7	229 326	4 2489
3454	9.0	49 19.11	2.9773	0.0027	5 30 44.3	13.503	0.315	90.1	92 104	5 2660
3455	6.0	49 22.62	2.9854	0.0029	5 3 21.2	13.507	0.316	92.2	329 333	4 2490
3456	8.5	8 49 26.57	+2.9747	−0.0027	−5 39 59.2	−13.511	−0.315	91.2	124 329	5 2661
3457	8.4	49 33.07	2.9878	0.0029	4 54 54.6	13.518	0.316	91.7	229 327	4 2491
3458	8.2	49 52.25	3.0107	0.0033	3 35 46.5	13.539	0.318	92.2	329 333	3 2503
3459	6.6	49 56.86	3.0180	0.0035	3 10 31.6	13.544	0.319	92.2	327 330	3 2506
3460	8.2	50 4.84	3.0119	0.0033	3 31 56.5	13.552	0.318	91.2	101 329	3 2509
3461	6.9	8 50 20.35	+3.0252	−0.0036	−2 45 55.0	−13.569	−0.319	91.1	205 207	2 2735
3462	9.1	50 29.76	3.0093	0.0033	3 41 16.0	13.579	0.317	91.7	229 333	3 2511
3463	9.1	50 37.14	2.9808	0.0028	5 20 28.1	13.587	0.314	91.2	124 314	5 2665
3464	7.0	50 37.74	3.0313	0.0037	2 24 35.2	13.588	0.319	90.9	130 132a 330	2 2737
3465	9.0	50 40.06	2.9745	0.0026	5 42 12.2	13.590	0.313	90.1	90 99	5 2666
3466	9.4	8 50 54.48	+2.9775	−0.0027	−5 32 19.5	−13.605	−0.313	91.2	92 327	[5 2667]
3467	8.3	51 7.48	2.9715	0.0026	5 53 21.5	13.619	0.312	91.2	205 207 229	5 2668
3468	9.3	51 11.65	3.0315	0.0037	2 24 13.8	13.624	0.318	91.5	101 328 330	2 2739
3469	8.9	51 50.84	2.9985	0.0031	4 20 27.0	13.666	0.314	90.6	115 209	4 2499
3470	9.1	51 56.14	2.9884	0.0029	4 55 37.6	13.671	0.313	90.8	90 99 329	[4 2500]
3471	9.0	8 52 37.39	+2.9823	−0.0028	−5 17 49.4	−13.715	−0.311	90.8	92 104 329	5 2670
3472	9.4	52 47.88	3.0267	0.0036	2 42 3.3	13.726	0.316	90.7	101 126 209 229	[2 2749]
3473	9.1	52 50.55	3.0291	0.0037	2 33 49.3	13.729	0.316	91.2	130 132a 327 328	2 2750
3474	8.3	52 52.42	2.9835	0.0028	5 14 2.2	13.731	0.311	91.2	124 217 330	5 2671
3475	6.8	52 59.09	2.9966	0.0030	4 28 19.3	13.738	0.312	91.1	115 314	4 2503
3476	8.2	8 53 3.44	+3.0184	−0.0035	−3 11 30.8	−13.743	−0.315	90.5	117 130 132a 221	3 2520
3477	8.5	53 3.54	3.0261	0.0036	2 44 29.9	13.743	0.315	90.8	101 209 217	2 2752
3478	9.5	53 7.32	2.9802	0.0027	5 25 49.8	13.747	0.310	90.9	90 205 207 229	[5 2673]
3479	8.5	53 28.45	2.9804	0.0027	5 25 38.4	13.769	0.310	90.1	90 99	5 2675
3480	8.5	53 30.25	3.0063	0.0032	3 54 41.0	13.771	0.313	90.7	126 217	3 2522
3481	8.9	8 53 49.28	+2.9769	−0.0026	−5 38 29.3	−13.792	−0.309	90.4	104 117 124 221	5 2676
3482	8.7	54 10.64	2.9771	0.0026	5 38 2.6	13.814	0.309	90.4	92 104 209	5 2679
3483	8.5	54 10.97	2.9801	0.0027	5 27 35.3	13.815	0.309	90.1	90 99	5 2680
3484	8.8	54 23.81	3.0288	0.0037	2 35 47.6	13.828	0.314	90.7	101 130 132a 332	2 2758
3485	8.3	54 31.01	3.0020	0.0031	4 10 46.5	13.836	0.311	91.1	115 314	4 2508
3486	9.0	8 54 36.27	+2.9799	−0.0027	−5 28 50.4	−13.841	−0.308	91.2	126 314	5 2683
3487	9.0	54 46.78	2.9986	0.0031	4 23 5.9	13.852	0.310	91.1	205 207	4 2512
3488	8.5	54 49.76	2.9984	0.0030	4 23 47.3	13.855	0.310	91.2	205 207 229	4 2513
3489	8.5	54 50.08	2.9758	0.0026	5 43 42.3	13.856	0.308	90.8	124 209 217	5 2684
3490	8.0	54 54.21	3.0363	0.0038	2 9 31.4	13.860	0.314	90.7	117 221	1 2174
3491	8.8	8 55 14.51	+3.0039	−0.0032	−4 4 45.3	−13.882	−0.310	90.9	130 132a 329	3 2529
3492	8.7	55 17.07	2.9960	0.0030	4 32 48.7	13.884	0.309	90.7	115 229	4 2514
3493	8.0	55 53.98	3.0034	0.0031	4 7 19.6	13.923	0.309	94.8	3 Beob.	3 2532
3494	8.3	55 58.07	2.9737	0.0025	5 52 45.4	13.927	0.306	90.1	90 99	5 2689
3495	7.8	56 12.34	3.0363	0.0038	2 10 5.5	13.942	0.312	90.5	101 117 221	1 2181
3496	8.5	8 56 19.55	+3.0367	−0.0038	−2 8 47.6	−13.950	−0.312	90.9	130 132a 329	1 2183
3497	9.0	56 20.23	3.0321	0.0037	2 25 24.5	13.951	0.312	90.9	126 209 217 229	2 2765
3498	7.7	56 21.13	3.0228	0.0035	2 58 32.9	13.952	0.311	91.2	124 314	2 2766
3499	6.8	56 31.45	3.0045	0.0032	4 3 51.7	13.962	0.308	91.1	115 314	3 2535
3500	9.0	56 45.51	3.0323	0.0037	2 24 47.2	13.977	0.311	90.7	126 209	2 2768

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3501	8.3	8h 57m 0s.19	+2s.9950	−0s.0030	−4° 38′ 26″.0	−13″.992	−0″.307	90.8	117 217 221	4° 2519
3502	9.0	57 1.44	3.0353	0.0038	2 14 11.4	13.994	0.311	90.6	101 209	2 2770
3503	9.0	57 9.18	3.0221	0.0035	3 1 38.3	14.002	0.309	90.9	130 132a 329	2 2771
3504	8.2	57 12.13	3.0304	0.0037	2 32 5.3	14.005	0.310	91.2	205 207 229	2 2772
3505	8.3	57 15.44	2.9880	0.0028	5 3 43.0	14.008	0.306	90.1	90 99	4 2522
3506	9.2	8 57 15.54	+2.9803	−0.0027	−5 31 4.5	−14.008	−0.305	91.1	205 207	[5 2694]
3507	9.2	57 28.21	3.0025	0.0031	4 12 19.6	14.022	0.307	91.2	104 229 327	[4 2525]
3508	8.9	57 30.07	3.0013	0.0031	4 16 35.7	14.023	0.307	90.7	124 217	4 2526
3509	9.0	57 36.26	2.9881	0.0028	5 3 44.8	14.030	0.305	90.8	90 99 333	4 2527
3510	9.1	57 38.85	3.0129	0.0033	3 34 55.3	14.033	0.308	91.5	126 314 333	3 2540
3511	9.2	8 57 45.44	+3.0174	−0.0034	−3 19 6.6	−14.040	−0.308	91.1	205 207	3 2541
3512	8.9	57 56.54	3.0248	0.0036	2 52 42.3	14.051	0.309	90.5	101 117 221	2 2776
3513	8.0	58 20.80	3.0054	0.0032	4 2 46.9	14.076	0.306	90.7	124 209	3 2545
3514	8.3	58 25.48	2.9804	0.0026	5 32 33.9	14.081	0.303	91.1	115 314	5 2698
3515	8.9	58 26.99	3.0235	0.0035	2 57 44.8	14.083	0.308	91.2	205 207 229	2 2780
3516	8.3	8 58 39.43	+3.0057	−0.0031	−4 1 59.2	−14.096	−0.306	90.6	115 209	3 2547
3517	9.0	58 43.45	3.0102	0.0032	3 45 46.2	14.100	0.306	91.2	130 132a 327 329	3 2549
3518	6.8	58 44.42	2.9933	0.0029	4 46 31.5	14.101	0.304	90.1	92 104	4 2530
3519	9.0	58 45.25	3.0099	0.0032	3 46 48.8	14.102	0.306	97.7	2 Beob.	3 2550
3520	8.9	59 6.79	3.0299	0.0037	2 35 7.9	14.124	0.308	90.8	101 126 314	2 2782
3521	8.4	8 59 16.63	+3.0172	−0.0034	−3 21 6.9	−14.134	−0.306	91.1	205 207	3 2553
3522	8.3	59 25.24	3.0127	0.0033	3 37 36.0	14.143	0.305	91.7	229 327	3 2555
3523	9.0	59 26.40	2.9965	0.0030	4 35 59.4	14.144	0.304	90.9	90 99[1] 333	4 2531
3524	8.2	59 35.62	3.0383	0.0038	2 4 49.8	14.154	0.308	90.9	101 126 329	1 2193
3525	8.6	59 36.61	3.0033	0.0031	4 11 29.2	14.155	0.304	90.8	117 209 221	4 2532
3526	8.2	8 59 55.77	+3.0020	−0.0031	−4 16 35.7	−14.175	−0.303	97.1	2 Beob.	4 2533
3527	8.2	59 58.93	3.0134	0.0033	3 35 22.6	14.178	0.305	90.9	130 132a 329	3 2562
3528	9.0	9 0 2.16	3.0028	0.0031	4 13 50.8	14.181	0.303	91.5	209 217 327	4 2534
3529	7.3	0 4.02	3.0169	0.0034	3 22 58.4	14.183	0.305	91.1	205 207	3 2563
3530	9.2	0 9.07	2.9733	0.0025	6 0 37.5	14.188	0.300	90.8	104 124 314	[5 2706]
3531	9.0	9 0 10.71	+3.0085	−0.0032	−3 53 25.0	−14.190	−0.304	91.7	217 327	3 2566
3532	9.3	0 12.24	2.9767	0.0025	5 48 24.4	14.192	0.301	92.2	314 327 333	[5 2707]
3533	8.5	0 21.50	3.0020	0.0031	4 16 56.7	14.201	0.303	90.6	115 209	4 2537
3534	8.9	0 27.02	2.9890	0.0028	5 4 15.9	14.207	0.301	91.2	205 207 229	4 2538
3535	8.2	0 32.64	3.0204	0.0034	3 10 32.1	14.213	0.305	90.7	117 221	3 2570
3536	9.5	9 1 1.57	+2.9772	−0.0025	−5 47 35.6	−14.242	−0.299	90.8	90 124 333	[5 2709]
3537	8.8	1 19.41	3.0312	0.0037	2 31 45.8	14.261	0.305	90.9	130 132a 329	2 2790
3538	7.7	1 26.16	3.0366	0.0038	2 12 0.8	14.268	0.305	90.8	126 209 217	2 2791
3539	9.0	1 42.06	3.0110	0.0032	3 45 41.3	14.284	0.302	91.2	126 314	3 2573
3540	8.8	1 50.90	2.9858	0.0027	5 17 41.0	14.293	0.299	90.8	92 104 327	5 2713
3541	8.7	9 2 1.83	+2.9961	−0.0029	−4 40 42.6	−14.304	−0.300	90.5	117 124 221	4 2544
3542	8.6	2 8.65	3.0146	0.0033	3 33 9.3	14.311	0.302	90.9	130 132a 329	3 2577
3543	8.8	2 28.11	3.0289	0.0036	2 40 54.2	14.331	0.303	90.8	101 209 217	2 2794
3544	8.8	2 29.96	3.0064	0.0031	4 3 17.4	14.333	0.300	91.1	115 314	3 2579
3545	8.3	2 43.59	2.9934	0.0028	4 51 16.6	14.347	0.299	90.1	90 99	4 2546
3546	7.0	9 2 57.93	+3.0390	−0.0038	−2 4 19.9	−14.361	−0.303	91.2	205 207 221 229	1 2207
3547	8.5	3 30.88	2.9876	0.0027	5 13 37.4	14.395	0.297	91.7	217 327	5 2727
3548	8.0	3 47.95	2.9961	0.0029	4 42 49.3	14.412	0.298	91.1	205 207	4 2549
3549	8.8	3 49.02	2.9942	0.0028	4 49 51.5	14.413	0.297	90.1	90 99	4 2551
3550	9.0	4 5.09	2.9861	0.0027	5 19 52.8	14.429	0.296	91.1	205 207	5 2731

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3551	8.6	9h 4m 5s.94	+2s.9824	−0s.0026	−5° 33′ 23″.3	−14″.430	−0″.296	92.2	330 333	5° 2732
3552	9.1	4 19.04	2.9943	0.0028	4 50 1.4	14.444	0.297	91.2	90 333	4 2554
3553	8.8	4 37.87	3.0143	0.0033	3 36 43.0	14.463	0.298	91.7	217 333	3 2589
3554	9.0	5 4.76	3.0050	0.0031	4 11 33.2	14.490	0.297	91.2	211 228	4 2559
3555	9.3	5 5.53	3.0118	0.0032	3 46 24.9	14.490	0.297	92.2	330 333	[3 2592]
3556	9.0	9 5 19.58	+3.0068	−0.0031	−4 5 4.7	−14.505	−0.297	91.1	205 207	3 2593
3557	7.5	5 23.19	2.9798	0.0025	5 45 8.9	14.508	0.294	91.7	229 327	5 2738
3558	8.3	5 24.47	3.0184	0.0033	3 22 15.6	14.510	0.298	91.1	205 207	3 2594
3559	9.0	5 25.03	2.9843	0.0026	5 28 22.7	14.510	0.294	92.2	327 330	5 2739
3560	7.7	5 30.10	3.0241	0.0035	3 1 7.0	14.515	0.298	90.8	101 209 217	2 2805
3561	9.1	9 5 37.08	+3.0049	−0.0030	−4 12 32.9	−14.522	−0.296	90.2	90 124	[4 2560]
3562	9.0	6 13.72	3.0163	0.0033	3 30 46.9	14.559	0.296	91.0	6 Beob.	3 2600
3563	9.1	6 26.66	2.9952	0.0028	4 49 39.4	14.572	0.294	91.2	92 104 327 330	[4 2562]
3564	8.3	6 44.03	3.0289	0.0036	2 44 1.9	14.589	0.297	90.4	101 135 231a[1]	2 2808
3565	7.4	7 0.70	3.0063	0.0030	4 8 44.2	14.606	0.294	90.6	115 209	3 2604
3566	9.1	9 7 5.33	+3.0230	−0.0034	−3 6 26.4	−14.611	−0.296	90.9	123a 135 333	[2 2810]
3567	8.2	7 21.95	3.0038	0.0030	4 18 44.7	14.627	0.293	90.9	124 211 228 231a[1]	4 2564
3568	9.0	7 24.24	3.0315	0.0036	2 35 1.4	14.630	0.296	90.9	101 126 330	2 2812
3569	7.8	7 33.72	2.9947	0.0028	4 52 57.0	14.639	0.292	91.2	115 330	4 2565
3570	7.5	7 38.33	3.0309	0.0036	2 37 16.4	14.644	0.296	90.7	126 209	2 2814
3571	8.5	9 8 2.47	+2.9966	−0.0028	−4 46 18.9	−14.668	−0.292	91.2	135 229 327	4 2566
3572	9.0	8 11.97	3.0050	0.0030	4 15 15.9	14.677	0.292	91.2	124 217 333	4 2567
3573	9.0	8 24.92	3.0097	0.0031	3 57 47.9	14.690	0.292	91.2	205 207 229	3 2611
3574	9.0	8 32.32	2.9866	0.0026	5 24 24.7	14.697	0.290	91.2	124 330	5 2751
3575	9.2	8 34.77	3.0167	0.0033	3 31 43.0	14.700	0.293	91.2	211 228 231a[1]	3 2612
3576	8.9	9 8 38.50	+3.0174	−0.0033	−3 29 6.3	−14.703	−0.293	90.7	126 209	3 2614
3577	9.0	8 41.98	3.0109	0.0031	3 53 22.4	14.707	0.292	91.2	101 330	3 2617
3578	8.8	9 18.78	3.0106	0.0031	3 55 30.3	14.743	0.291	90.9	123a 135 333	3 2622
3579	9.0	9 28.46	3.0053	0.0030	4 15 21.1	14.753	0.290	91.2	115 330	4 2572
3580	9.0	9 32.26	3.0238	0.0034	3 5 39.3	14.757	0.292	91.2	211 228	2 2824
3581	8.0	9 9 32.87	+2.9922	−0.0027	−5 4 59.9	−14.757	−0.289	90.8	124 209 231a[1]	4 2573
3582	9.0	9 41.35	2.9776	0.0024	6 0 3.9	14.766	0.287	91.7	229 333	5 2754
3583	8.0	9 43.79	3.0075	0.0030	4 7 34.0	14.768	0.290	91.2	211 228	3 2623
3584	8.8	9 51.70	3.0306	0.0036	2 40 1.2	14.776	0.292	91.2	101 330	2 2826
3585	9.1	9 55.26	2.9740	0.0023	6 14 8.2	14.779	0.287	91.2	115 332	6 2858
3586	8.8	9 10 4.08	+3.0196	−0.0033	−3 22 4.1	−14.788	−0.291	91.2	126 231a[1] 332	3 2625
3587	8.5	10 9.88	3.0167	0.0032	3 33 9.6	14.794	0.291	90.9	123a 135 333	3 2628
3588	9.0	10 32.37	2.9894	0.0026	5 17 5.5	14.816	0.287	91.5	217 229 327	5 2756
3589	8.5	10 45.47	2.9940	0.0027	5 0 5.1	14.829	0.288	91.2	211 228	4 2576
3590	8.9	10 55.52	3.0028	0.0029	4 26 57.7	14.839	0.288	91.1	205 207	4 2579
3591	8.5	9 11 8.35	+3.0028	−0.0029	−4 27 1.9	−14.851	−0.288	90.8	115 209 231a[1]	4 2580
3592	9.4	11 15.17	2.9747	0.0023	6 14 3.4	14.858	0.285	91.7	229 327	[6 2868]
3593	9.0	11 17.02	2.9870	0.0025	5 27 12.3	14.860	0.286	92.2	327 330	5 2759
3594	8.0	11 17.81	3.0081	0.0030	4 6 59.0	14.860	0.288	90.9	123a 135 333	3 2635
3595	9.1	11 24.78	2.9849	0.0025	5 35 27.7	14.867	0.286	91.2	211 217 228	[5 2761]
3596	8.0	9 11 26.08	+3.0102	−0.0031	−3 59 12.7	−14.868	−0.288	91.2	126 330	3 2636
3597	8.3	11 31.60	3.0371	0.0037	2 16 26.4	14.874	0.291	91.2	101 332	2 2829
3598	5.8	11 43.72	2.9796	0.0024	5 56 9.5	14.886	0.285	90.7	124 209	5 2762
3599	8.5	11 45.79	2.9739	0.0022	6 17 50.4	14.888	0.284	90.1	90 99	6 2872
3600	9.0	11 51.61	3.0135	0.0031	3 47 8.2	14.893	0.288	91.2	205 207 229	3 2641

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3601	9.0	9h 12m 0s.42	+3s.0241	—0s.0034	—3° 6′ 30″.5	—14″.902	—0″.289	90.7	126 217	2° 2830
3602	9.0	12 7.86	3.0239	0.0034	3 7 34.0	14.909	0.288	91.2	101 231[a] 330	2 2833
3603	9.5	12 14.15	2.9742	0.0022	6 17 35.8	14.915	0.283	90.6	90 99 205 207	6 2874
3604	9.0	12 23.00	2.9950	0.0027	4 58 42.8	14.924	0.285	90.9	123[a] 135 327	4 2586
3605	8.7	12 44.31	2.9924	0.0026	5 9 0.1	14.945	0.284	90.8	115 211 228	4 2587
3606	8.2	9 12 52.72	+3.0266	—0.0034	—2 57 56.2	—14.953	—0.288	90.5	101 231[a1]	2 2838
3607	9.1	12 53.90	2.9826	0.0024	5 46 44.9	14.954	0.283	90.9	124 209 217 229	[5 2766]
3608	8.5	13 24.66	3.0032	0.0029	4 28 40.3	14.984	0.285	90.8	90 99 327	4 2590
3609	8.8	13 47.98	3.0305	0.0035	2 43 28.7	15.006	0.287	90.2	101 123[a] 135	2 2840
3610	9.0	14 9.17	3.0104	0.0030	4 1 47.1	15.027	0.284	90.8	126 217 231[a1]	3 2650
3611	9.0	9 14 9.68	+2.9783	—0.0023	—6 5 12.3	—15.027	—0.281	90.9	124 209 211 228	5 2772
3612	8.7	14 12.28	2.9968	0.0027	4 54 4.8	15.030	0.283	91.2	115 330	4 2594
3613	9.0	14 28.59	3.0220	0.0033	3 17 2.8	15.046	0.285	91.2	205 207 229	3 2653
3614	8.5	14 30.60	3.0120	0.0030	3 55 57.6	15.048	0.284	90.7	126 217	3 2654
3615	8.5	14 38.98	3.0092	0.0030	4 7 2.0	15.056	0.283	90.6	115 209	3 2655
3616	9.0	9 14 40.51	+3.0146	—0.0031	—3 45 48.5	—15.057	—0.284	91.2	135 229 327	3 2656
3617	8.0	14 49.80	2.9867	0.0024	5 34 8.9	15.066	0.281	90.1	90 99	5 2774
3618	8.8	15 19.70	3.0084	0.0029	4 10 40.2	15.095	0.282	90.8	124 209 231[a1]	3 2658
3619	9.1	15 22.89	2.9870	0.0024	5 33 55.9	15.098	0.280	90.8	90 99 327	[5 2777]
3620	8.2	15 38.22	3.0006	0.0027	4 41 44.4	15.113	0.281	91.1	205 207	4 2596
3621	8.9	9 15 48.10	+2.9909	—0.0025	—5 19 35.6	—15.122	—0.280	90.9	115 211 228 231[a1]	5 2778
3622	8.8	15 57.40	3.0337	0.0035	2 32 41.7	15.131	0.284	90.2	101 123[a] 135	2 2851
3623	8.8	15 59.23	3.0248	0.0033	3 7 33.4	15.133	0.283	91.2	205 207 229	2 2852
3624	8.8	16 0.85	3.0363	0.0036	2 22 43.5	15.134	0.284	91.0	5 Beob.	2 2853
3625	8.8	16 23.11	3.0142	0.0031	3 49 19.9	15.156	0.281	91.2	205 207 229	3 2660
3626	8.5	9 16 25.74	+2.9769	—0.0022	—6 14 54.6	—15.158	—0.278	91.2	124 330	6 2891
3627	8.3	16 40.70	3.0100	0.0030	4 6 19.5	15.172	0.280	90.1	90 99	3 2661
3628	8.8	16 41.28	3.0253	0.0033	3 6 18.8	15.173	0.282	90.7	101 209 231[a1]	2 2860
3629	7.2	16 41.47	3.0366	0.0036	2 22 2.1	15.173	0.283	04.2	2 Beob.	2 2859
3630	8.5	16 52.00	3.0364	0.0036	2 22 49.5	15.183	0.283	90.9	123[a] 135 327	2 2863
3631	7.5	9 17 24.84	+2.9868	—0.0024	—5 38 3.6	—15.214	—0.277	91.2	115 231[a1] 330	5 2782
3632	9.0	17 31.42	3.0402	0.0037	2 8 15.4	15.221	0.282	90.9	101 126 330	1 2249
3633	9.1	17 37.69	3.0258	0.0033	3 5 4.6	15.227	0.281	91.1	205 207	[2 2870]
3634	7.5	17 50.61	3.0026	0.0027	4 36 44.9	15.239	0.278	90.9	123[a] 135 327	4 2602
3635	8.3	17 52.21	3.0055	0.0028	4 25 37.1	15.240	0.278	91.2	211 217 228 229	4 2603
3636	9.0	9 17 58.35	+2.9789	—0.0022	—6 10 0.8	—15.246	—0.276	91.2	211 228	5 2784
3637	9.4	18 11.63	3.0393	0.0037	2 12 23.1	15.259	0.281	90.8	126 209 217	[2 2871]
3638	9.0	18 22.09	2.9892	0.0024	5 30 24.4	15.269	0.276	90.1	90 99 124	5 2785
3639	7.8	18 55.36	2.9981	0.0026	4 55 57.7	15.300	0.276	90.6	115 209	4 2608
3640	8.7	18 56.19	3.0107	0.0029	4 6 17.5	15.301	0.277	90.9	123[a] 135 327	3 2667
3641	7.5	9 19 1.29	+2.9966	—0.0026	—5 2 14.9	—15.306	—0.276	90.8	124 209 231[a1]	4 2609
3642	8.6	19 3.34	2.9956	0.0025	5 6 7.3	15.308	0.276	91.2	211 228 229	4 2610
3643	8.5	19 4.67	2.9990	0.0026	4 52 45.0	15.309	0.276	91.2	217 327	4 2611
3644	8.8	19 6.73	3.0032	0.0027	4 36 20.4	15.311	0.276	91.1	205 207	4 2612
3645	8.6	19 26.40	2.9872	0.0023	5 40 11.3	15.329	0.274	91.2	115 330	5 2788
3646	8.9	9 19 42.95	+2.9890	—0.0024	—5 33 18.7	—15.345	—0.274	90.1	90 99	5 2789
3647	7.0	19 52.07	3.0148	0.0030	3 51 4.7	15.353	0.276	90.2	101 123[a] 135	3 2672
3648	9.0	19 53.19	3.0030	0.0027	4 38 17.3	15.354	0.275	91.1	205 207	4 2614
3649	8.4	19 53.92	2.9887	0.0024	5 34 43.9	15.355	0.274	90.8	90 99 327	5 2790
3650	8.9	20 13.36	3.0393	0.0036	2 13 45.2	15.373	0.278	90.7	126 217	2 2876

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3651	9.3	9h 20m 18s.84	+2s.9925	—0s.0024	—5° 20' 22".6	—15".378	—0".273	91.2	205 207 229	5° 2792
3652	5.5	20 24.09	3.0024	0.0027	4 41 10.0	15.383	0.274	91.0	5 Beob.	4 2616
3653	8.2	20 28.64	3.0281	0.0033	2 58 59.4	15.388	0.277	91.2	101 330	2 2877
3654	7.8	20 29.17	2.9830	0.0022	5 58 21.7	15.388	0.272	91.2	124 231[a][1] 332	5 2794
3655	8.2	20 37.13	2.9911	0.0024	5 26 44.4	15.396	0.273	91.2	115 330	5 2795
3656	9.0	9 21 6.22	+2.9793	—0.0021	—6 14 25.0	—15.423	—0.271	91.2	211 217 228	6 2905
3657	9.2	21 12.71	3.0051	0.0027	4 31 49.3	15.429	0.273	91.2	205 207 229	[4 2621]
3658	8.2	21 22.78	3.0088	0.0028	4 17 10.5	15.438	0.273	90.1	90 99	4 2622
3659	9.0	21 37.68	3.0291	0.0033	2 55 55.9	15.452	0.275	91.2	101 330	2 2883
3660	8.5	21 46.64	3.0420	0.0037	2 4 8.7	15.460	0.276	91.2	126 231[a][1] 337	1 2261
3661	9.2	9 21 48.86	+2.9980	—0.0025	—5 1 10.3	—15.462	—0.272	97.1	2 Beob.	[4 2624]
3662	8.6	21 49.77	3.0309	0.0034	2 48 38.4	15.463	0.275	91.7	229 327	2 2885
3663	9.1	22 6.74	3.0035	0.0027	4 39 34.3	15.479	0.272	91.2	211 228	[4 2625]
3664	8.2	22 8.22	3.0085	0.0028	4 19 17.3	15.480	0.272	91.1	205 207	4 2627
3665	9.2	22 8.92	3.0368	0.0035	2 25 19.9	15.481	0.275	98.2	2 Beob.	2 2889
3666	9.0	9 22 17.84	+3.0366	—0.0035	—2 26 12.7	—15.489	—0.274	91.9	217 327 330	2 2891
3667	8.3	22 23.48	3.0115	0.0029	4 7 41.0	15.494	0.272	92.2	330 333	3 2684
3668	9.0	22 26.18	2.9803	0.0021	6 12 53.5	15.497	0.269	91.2	211 228	6 2913
3669	8.4	22 26.43	2.9984	0.0025	5 0 15.2	15.497	0.271	90.1	90 99	4 2628
3670	7.5	22 30.36	3.0229	0.0031	3 21 50.4	15.501	0.273	92.2	332 333	3 2685
3671	9.5	9 22 32.60	+3.0393	—0.0036	—2 15 18.6	—15.503	—0.274	92.2	334 337	[2 2892]
3672	6.0	22 49.66	2.9892	0.0023	5 38 3.4	15.519	0.269	91.8	229 334	5 2802
3673	8.7	22 53.96	2.9978	0.0025	5 3 25.6	15.523	0.270	92.2	332 333	4 2629
3674	8.5	23 0.20	2.9952	0.0024	5 14 8.4	15.528	0.270	91.1	205 207	5 2803
3675	9.0	23 13.00	2.9983	0.0025	5 2 2.2	15.540	0.270	90.1	90 99	4 2632
3676	9.0	9 23 41.81	+3.0330	—0.0034	—2 42 6.2	—15.567	—0.272	91.2	101 332	2 2898
3677	9.3	23 44.16	2.9970	0.0024	5 8 15.5	15.569	0.269	91.5	217 229 327	[4 2634]
3678	9.2	23 47.25	2.9982	0.0025	5 3 24.3	15.572	0.269	91.2	211 228	[4 2635]
3679	9.0	23 52.63	3.0048	0.0026	4 36 40.9	15.577	0.269	92.2	327 330	4 2636
3680	8.8	23 54.29	3.0217	0.0031	3 28 10.0	15.578	0.271	92.2	327 330	3 2689
3681	5.0	9 24 4.28	+3.0385	—0.0035	—2 19 54.1	—15.587	—0.272	91.1	205 207	2 2901
3682	8.3	24 4.55	3.0387	0.0035	2 18 48.6	15.588	0.272	91.1	205 207	2 2902
3683	7.3	24 15.34	3.0327	0.0034	2 43 43.3	15.597	0.271	92.2	313 333	2 2904
3684	8.5	24 16.13	3.0186	0.0030	3 41 15.4	15.598	0.270	92.2	330 333	3 2692
3685	8.8	24 30.65	3.0365	0.0035	2 28 17.3	15.611	0.271	90.7	5 Beob.	2 2905
3686	6.5	9 24 31.16	+3.0169	—0.0029	—3 48 26.7	—15.612	—0.269	92.2	332 334	3 2693
3687	7.8	24 33.31	3.0334	0.0034	2 41 5.0	15.614	0.271	91.8	229 334	2 2906
3688	9.4	24 38.79	3.0003	0.0025	4 56 9.0	15.619	0.268	90.2	90 124	[4 2639]
3689	9.3	24 46.56	3.0368	0.0034	2 27 27.4	15.626	0.271	91.2	211 228	[2 2907]
3690	9.1	24 55.91	2.9939	0.0023	5 22 35.2	15.635	0.267	91.7	217 334	[5 2813]
3691	9.2	9 25 4.01	+3.0236	—0.0031	—3 21 36.6	—15.642	—0.269	91.6	135 327 330	3 2694
3692	8.2	25 11.15	2.9913	0.0022	5 33 50.7	15.648	0.266	91.1	115 313	5 2814
3693	9.0	25 23.56	3.0238	0.0031	3 21 43.9	15.660	0.269	00.6	3 Beob.	3 2695
3694	7.3	25 39.58	3.0199	0.0030	3 37 34.7	15.674	0.268	90.8	126 209 231[a][1]	3 2698
3695	7.0	25 55.63	2.9966	0.0024	5 13 22.5	15.689	0.265	91.2	124 313	5 2820
3696	9.1	9 26 0.15	+3.0196	—0.0030	—3 39 20.7	—15.693	—0.267	91.2	123[a] 209 334	3 2699
3697	8.5	26 0.43	2.9816	0.0020	6 14 46.1	15.693	0.264	92.2	332 333	6 2928
3698	8.4	26 9.31	3.0137	0.0028	4 3 44.6	15.701	0.267	04.2	2 Beob.	3 2700
3699	10	26 11.74	2.9911	0.0022	5 36 18.3	15.704	0.264	92.2	334 337	[5 2821]
3700	7.2	26 16.21	3.0309	0.0033	2 52 54.5	15.708	0.268	91.5	205 207 327	2 2916

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Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3701	9.0	$9^h\,26^m\,21^s.53$	$+2^s.9888$	$-0^s.0022$	$-5°\,46'\,12''.6$	$-15''.712$	$-0''.264$	04.2	2 Beob.	5° 2822
3702	7.5	26 44.42	3.0301	0.0032	2 56 38.3	15.733	0.267	91.2	126 231^{a1} 337	2 2917
3703	8.2	26 51.33	3.0055	0.0026	4 38 19.6	15.739	0.265	90.7	124 209	4 2653
3704	8.5	26 59.55	3.0153	0.0028	3 58 15.5	15.747	0.265	92.2	313 327	3 2701
3705	9.0	27 2.29	3.0055	0.0026	4 38 30.5	15.749	0.264	90.7	124 209	4 2654
3706	7.8	9 27 9.15	+3.0283	−0.0032	−3 4 23.2	−15.756	−0.266	90.9	123^{a} 135 334	2 2919
3707	9.1	27 16.79	2.9957	0.0023	5 19 41.8	15.762	0.263	92.2	332 333	5 2826
3708	8.8	27 19.08	3.0152	0.0028	3 58 47.8	15.764	0.265	92.2	313 327	3 2704
3709	9.1	27 39.47	3.0086	0.0026	4 26 44.6	15.783	0.264	92.2	313 327	4 2656
3710	9.2	27 51.20	3.0290	0.0032	3 2 8.2	15.793	0.265	91.2	126 231^{a1} 337	[2 2922]
3711	8.3	9 28 15.29	+3.0157	−0.0028	−3 58 4.9	−15.815	−0.264	90.9	123^{a} 135 333	3 2707
3712	8.7	28 24.59	2.9855	0.0020	6 3 56.9	15.823	0.261	91.2	124 231^{a1} 332	5 2834
3713	8.9	28 36.00	3.0424	0.0035	2 6 52.9	15.834	0.265	90.2	109 122^{a} 126	1 2276
3714	9.2	28 37.38	3.0060	0.0025	4 38 55.1	15.835	0.262	91.2	209 211 228	[4 2658]
3715	9.0	29 2.12	3.0061	0.0025	4 39 9.3	15.857	0.261	90.9	115 209 217 231^{a1}	4 2660
3716	8.3	9 29 10.86	+3.0340	−0.0033	−2 42 41.6	−15.865	−0.264	90.1	90 99	2 2924
3717	9.0	29 13.44	2.9989	0.0023	5 9 33.0	15.867	0.261	90.7	124 229	4 2662
3718	8.2	29 19.66	3.0252	0.0030	3 19 45.7	15.872	0.263	91.2	135 327	3 2713
3719	9.2	29 28.89	3.0430	0.0035	2 5 9.6	15.881	0.264	91.2	122^{a} 224 333	1 2279
3720	7.0	29 30.14	3.0293	0.0031	3 2 37.5	15.882	0.263	91.1	205 207	2 2925
3721	8.9	9 29 32.78	+3.0218	−0.0029	−3 34 25.3	−15.884	−0.262	91.7	224 327	3 2714
3722	6.7	29 33.29	2.9946	0.0022	5 28 5.8	15.885	0.260	91.2	211 228	5 2840
3723	9.0	29 37.88	3.0150	0.0028	4 2 56.1	15.889	0.261	91.7	217 333	3 2715
3724	9.2	29 44.72	3.0055	0.0025	4 43 3.6	15.895	0.260	97.8	2 Beob.	4 2664
3725	9.1	29 50.30	3.0056	0.0025	4 42 48.6	15.900	0.260	91.1	205 207	4 2665
3726	7.5	9 30 1.78	+3.0095	−0.0026	−4 26 36.2	−15.910	−0.260	91.1	205 207	4 2666
3727	7.7	30 7.05	3.0027	0.0024	4 55 19.1	15.915	0.259	91.2	211 228	4 2667
3728	9.0	30 13.09	2.9959	0.0022	5 24 6.2	15.920	0.259	90.8	115 209 231^{a1}	5 2841
3729	8.3	30 13.61	3.0326	0.0032	2 49 31.6	15.920	0.262	91.2	126 313	2 2928
3730	9.0	30 14.88	3.0183	0.0028	3 49 59.9	15.922	0.261	91.2	90 229 327	3 2717
3731	9.0	9 30 27.73	+2.9870	−0.0020	−6 1 37.4	−15.933	−0.258	91.2	124 313	5 2843
3732	8.8	30 33.60	3.0370	0.0033	2 31 10.0	15.938	0.262	90.2	109 122^{a} 123^{a} 135	2 2931
3733	9.0	30 40.68	2.9825	0.0018	6 20 55.9	15.944	0.257	91.7	217 333	6 2950
3734	9.1	30 55.54	3.0028	0.0024	4 56 5.0	15.958	0.258	91.7	224 327	4 2670
3735	9.2	31 3.65	3.0025	0.0024	4 57 52.0	15.965	0.258	91.2	115 229 337	4 2671
3736	7.5	9 31 23.92	+3.0399	−0.0034	−2 19 48.4	−15.983	−0.261	90.7	126 209	2 2934
3737	8.9	31 25.07	3.0324	0.0032	2 51 37.3	15.984	0.260	91.1	205 207	2 2935
3738	9.0	31 29.97	3.0336	0.0032	2 46 36.1	15.988	0.260	91.2	211 217 228 231^{a1}	2 2936
3739	9.4	31 32.62	2.9962	0.0022	5 25 8.9	15.990	0.257	90.7	90 124 224 229	5 2846
3740	8.4	31 43.55	3.0240	0.0029	3 27 36.7	16.000	0.259	90.2	109 122^{a} 123^{a} 135	3 2726
3741	8.3	9 32 14.05	+3.0216	−0.0029	−3 38 20.5	−16.027	−0.258	91.5	205 207 337	3 2728
3742	9.1	32 39.38	3.0217	0.0028	3 38 43.6	16.049	0.257	91.1	205 207	3 2729
3743	6.0	32 42.72	3.0346	0.0032	2 43 14.3	16.052	0.258	90.7	109 122^{a} 126 313	2 2939
3744	9.1	32 43.22	3.0129	0.0026	4 16 21.2	16.052	0.256	91.2	124 231^{a1} 333	[4 2678]
3745	9.0	32 43.81	3.0344	0.0032	2 44 17.4	16.053	0.258	90.2	109 122^{a} 123^{a} 135	2 2940
3746	8.5	9 32 52.95	+2.9926	−0.0020	−5 42 50.2	−16.061	−0.254	90.1	90 99	5 2854
3747	9.9	33 6.10	2.9838	0.0018	6 21 4.3	16.072	0.253	91.6	228 231^{a} 337	[6 2960]
3748	8.0	33 11.74	3.0068	0.0024	4 42 57.9	16.077	0.255	90.6	115 209	4 2681
3749	9.1	33 18.60	3.0048	0.0024	4 51 32.4	16.083	0.255	91.6	224 229 327	[4 2683]
3750	7.5	33 20.06	3.0252	0.0029	3 24 17.0	16.084	0.256	91.2	211 228	3 2733

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3751	8.9	9h 33m 21s.79	+3s.0223	−0s.0029	−3° 36′ 42″.1	−16″.086	−0″.256	91.1	205 207	3° 2734
3752	8.3	33 26.25	3.0382	0.0033	2 28 43.9	16.090	0.258	90.7	126 209	2 2944
3753	7.8	33 55.65	3.0232	0.0028	3 33 42.4	16.115	0.255	90.2	123[a] 124 135	3 2736
3754	7.3	34 0.30	3.0396	0.0033	2 23 16.9	16.119	0.257	91.6	217 231[a1] 327	2 2946
3755	8.1	34 5.75	3.0182	0.0027	3 55 33.9	16.124	0.255	91.7	224 327	3 2737
3756	8.7	9 34 12.60	+3.0324	−0.0031	−2 54 18.1	−16.130	−0.256	90.8	109 122[a] 333	2 2947
3757	8.5	34 12.68	2.9995	0.0022	5 16 14.6	16.130	0.253	90.1	90 99	5 2858
3758	8.3	34 17.90	3.0420	0.0034	2 13 8.6	16.135	0.256	91.1	205 207	2 2948
3759	8.8	34 24.42	3.0375	0.0033	2 32 41.7	16.140	0.256	90.7	126 209	2 2949
3760	8.5	34 35.88	3.0206	0.0028	3 45 37.2	16.150	0.254	91.2	211 228 231[a1]	3 2739
3761	9.2	9 34 36.26	+3.0199	−0.0027	−3 48 57.2	−16.150	−0.254	91.5	217 224 229 333	3 2740
3762	8.8	34 53.77	2.9984	0.0021	5 22 11.6	16.165	0.252	90.8	115 209 229	5 2861
3763	8.3	34 57.13	3.0275	0.0030	3 16 15.3	16.168	0.254	90.9	123[a] 135 334	3 2741
3764	9.0	35 1.72	2.9851	0.0018	6 19 44.5	16.172	0.250	04.2	2 Beob.	6 2971
3765	9.1	35 41.25	3.0183	0.0027	3 57 19.8	16.206	0.252	90.9	90 124 337	3 2742
3766	9.0	9 36 8.16	+2.9883	−0.0018	−6 8 23.5	−16.229	−0.249	90.7	109 115 122[a] 337	5 2865
3767	8.0	36 34.39	3.0204	0.0027	3 49 29.1	16.252	0.251	90.9	3 Beob.	3 2744
3768	9.1	36 35.01	3.0293	0.0030	3 10 38.4	16.252	0.252	91.1	7 Beob.	[2 2954]
3769	8.9	36 45.39	3.0251	0.0028	3 29 9.7	16.261	0.251	90.7	126 209	3 2745
3770	9.1	36 49.80	3.0266	0.0029	3 22 24.5	16.265	0.251	91.2	211 217 224 228	3 2746
3771	8.6	9 36 51.16	+2.9863	−0.0017	−6 18 21.0	−16.266	−0.248	90.8	115 209 231[a1]	6 2977
3772	8.8	36 58.62	2.9982	0.0020	5 26 50.1	16.273	0.248	90.8	90 99 336	5 2870
3773	8.2	37 1.75	3.0244	0.0028	3 32 38.2	16.275	0.251	90.9	109 122[a] 336	3 2748
3774	8.5	37 21.68	3.0232	0.0027	3 38 7.5	16.292	0.250	90.9	123[a] 135 333	3 2750
3775	9.2	37 28.34	3.0285	0.0029	3 14 58.9	16.298	0.250	91.2	126 217 229 333	[3 2751]
3776	9.0	9 37 34.46	+2.9989	−0.0020	−5 25 0.3	−16.303	−0.248	90.1	90 99 124	5 2874
3777	9.0	37 54.96	3.0120	0.0024	4 28 13.0	16.320	0.248	90.8	115 209 231[a1]	4 2701
3778	9.0	37 58.58	3.0396	0.0032	2 26 40.5	16.324	0.250	91.2	126 313	2 2958
3779	7.9	38 14.30	2.9889	0.0017	6 10 25.3	16.337	0.246	91.2	211 224 228	5 2876
3780	8.9	38 17.60	2.9971	0.0020	5 34 36.7	16.340	0.246	90.2	109 122[a]	5 2877
3781	8.5	9 38 31.30	+3.0335	−0.0030	−2 54 4.7	−16.351	−0.249	90.9	123[a] 135 334	2 2962
3782	9.0	38 43.86	2.9948	0.0019	5 45 14.7	16.362	0.246	90.1	90 99	5 2880
3783	8.8	38 49.42	3.0249	0.0028	3 32 26.6	16.366	0.248	90.8	124 209 217	3 2755
3784	8.8	38 51.27	3.0266	0.0028	3 24 51.5	16.368	0.248	91.2	211 228 229	3 2756
3785	8.7	38 58.29	3.0136	0.0024	4 22 50.0	16.374	0.247	91.1	115 313	4 2704
3786	8.4	9 39 9.95	+2.9955	−0.0019	−5 43 20.9	−16.384	−0.245	91.2	90 333	5 2881
3787	8.8	39 20.72	3.0357	0.0031	2 45 11.0	16.393	0.248	90.5	5 Beob.	2 2964
3788	7.5	39 29.28	3.0163	0.0025	4 11 54.7	16.400	0.246	91.2	211 228	3 2759
3789	9.1	39 33.06	2.9924	0.0018	5 57 58.4	16.403	0.244	91.5	217 229 333	[5 2883]
3790	8.8	39 40.62	2.9944	0.0018	5 49 16.2	16.409	0.244	91.7	224 333	5 2885
3791	9.1	9 39 52.56	+3.0019	−0.0020	−5 16 25.6	−16.419	−0.244	90.7	124 229	5 2888
3792	8.0	39 54.83	2.9888	0.0016	6 14 37.8	16.421	0.243	91.2	115 231[a1] 313	6 2989
3793	9.1	40 15.82	3.0404	0.0032	2 25 1.7	16.439	0.247	91.2	123[a] 135 313 336	[2 2965]
3794	9.0	40 41.81	3.0196	0.0025	3 58 40.0	16.461	0.244	91.2	90 333	3 2765
3795	9.0	40 46.09	2.9914	0.0017	6 5 10.5	16.464	0.242	91.2	211 228	5 2890
3796	8.8	9 40 49.22	+3.0382	−0.0031	−2 35 22.6	−16.467	−0.246	90.2	109 122[a] 123[a] 135	2 2969
3797	8.3	40 54.69	3.0375	0.0031	2 38 47.9	16.471	0.245	90.8	126 209 231[a1]	2 2970
3798	8.3	41 0.02	3.0444	0.0033	2 7 52.6	16.476	0.246	91.7	224 334	1 2300
3799	9.0	41 7.10	3.0427	0.0032	2 15 33.0	16.482	0.246	91.7	217 333	2 2972
3800	9.2	41 9.73	3.0118	0.0023	4 34 35.2	16.484	0.243	97.7	2 Beob.	4 2715

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3801	8.5	9h 41m 14s.03	+2s.9979	−0s.0019	−5° 36′ 58″.2	−16″.487	−0″.241	97.1	2 Beob.	5° 2895
3802	9.2	41 26.04	2.9987	0.0019	5 33 53.9	16.497	0.241	90.7	124 229	5 2898
3803	8.6	41 36.99	3.0321	0.0029	3 3 53.8	16.506	0.244	91.2	126 313	2 2976
3804	7.5	41 39.94	3.0363	0.0030	2 45 3.5	16.509	0.244	91.2	211 228	2 2977
3805	9.2	41 42.83	3.0322	0.0029	3 3 37.3	16.511	0.244	98.2	2 Beob.	[2 2978]
3806	8.3	9 41 44.65	+3.0096	−0.0022	−4 45 36.1	−16.513	−0.242	91.7	224 334	4 2717
3807	9.2	41 48.08	3.0259	0.0027	3 32 10.6	16.516	0.243	91.6	217 229 334	3 2770
3808	8.0	41 52.25	3.0219	0.0026	3 50 4.5	16.519	0.243	90.1	90 99	3 2771
3809	8.2	41 52.94	3.0343	0.0029	2 54 20.5	16.520	0.244	90.2	109[1] 122a 123a 135	2 2979
3810	9.0	42 0.84	3.0267	0.0027	3 28 41.8	16.526	0.243	92.2	313 334	3 2772
3811	8.5	9 42 3.42	+3.0194	−0.0025	−4 1 35.1	−16.528	−0.242	91.7	224 336	3 2773
3812	8.6	42 6.37	3.0016	0.0019	5 22 0.1	16.531	0.241	91.2	124 332	5 2902
3813	8.5	42 15.64	3.0439	0.0032	2 11 12.8	16.538	0.244	91.2	211 228	1 2303
3814	9.2	42 42.15	3.0357	0.0030	2 48 51.1	16.560	0.242	90.7	126 209	[2 2982]
3815	9.2	42 46.05	3.0370	0.0030	2 42 43.4	16.563	0.242	91.5	217 229 333	[2 2984]
3816	9.4	9 42 56.85	+3.0211	−0.0025	−3 55 24.9	−16.572	−0.241	90.9	123a 135 336	3 2777
3817	7.3	43 6.67	3.0011	0.0019	5 26 21.8	16.580	0.239	91.1	115 313	5 2908
3818	9.0	43 8.81	3.0202	0.0025	3 59 43.0	16.582	0.240	90.7	124 209	3 2780
3819	8.7	43 19.75	3.0210	0.0025	3 56 31.2	16.591	0.240	90.9	109 122a 334	3 2782
3820	9.1	43 23.46	3.0179	0.0024	4 10 31.6	16.594	0.240	91.6	217 229 334	[3 2783]
3821	9.1	9 43 26.85	+3.0359	−0.0029	−2 48 30.7	−16.597	−0.241	91.7	224 333	[2 2985]
3822	8.4	43 40.39	3.0433	0.0032	2 14 54.8	16.608	0.241	91.2	211 228	2 2986
3823	8.2	44 3.83	3.0151	0.0023	4 24 36.6	16.627	0.239	90.2	90 99 123a 135	4 2728
3824	8.6	44 22.76	3.0151	0.0022	4 25 17.0	16.642	0.238	90.1	90 99 115	4 2729
3825	9.0	44 29.83	3.0279	0.0026	3 26 28.6	16.648	0.239	91.2	211 224 228	3 2785
3826	9.0	9 44 49.07	+3.0301	−0.0027	−3 16 47.3	−16.664	−0.239	91.7	217 333	3 2787
3827	8.8	44 52.97	3.0450	0.0032	2 8 18.8	16.667	0.240	91.2	126 313	1 2306
3828	9.1	45 8.02	3.0068	0.0020	5 4 27.6	16.679	0.236	91.2	124 332	[4 2734]
3829	9.1	45 19.16	3.0288	0.0026	3 23 38.8	16.688	0.238	92.2	313 333	[3 2790]
3830	8.9	45 27.68	2.9920	0.0015	6 13 7.8	16.695	0.234	91.7	224 334	6 3012
3831	9.0	9 46 5.43	+3.0248	−0.0025	−3 43 6.7	−16.726	−0.236	92.2	313 333	3 2793
3832	**6.1**	**46 11.68**	**3.0241**	**0.0025**	**3 46 28.4**	**16.731**	**0.236**		**Fund. Kat.**	**3 2794**
3833	6.8	46 22.76	2.9991	0.0017	5 42 54.9	16.739	0.234	92.2	332 334	5 2923
3834	9.0	46 25.84	3.0257	0.0025	3 39 19.7	16.742	0.236	98.1	2 Beob.	3 2795
3835	8.3	46 26.80	3.0148	0.0022	4 30 12.0	16.743	0.235	91.7	224 336	4 2742
3836	8.9	9 46 33.97	+3.0418	−0.0030	−2 24 20.0	−16.748	−0.237	92.2	332 334	2 2993
3837	8.8	46 36.95	3.0137	0.0021	4 35 43.8	16.751	0.234	92.2	313 333	4 2744
3838	8.8	46 40.48	3.0213	0.0024	4 0 12.0	16.754	0.235	92.2	336 337	3 2797
3839	9.3	46 50.79	3.0194	0.0023	4 9 23.1	16.762	0.234	96.2	3 Beob.	3 2798
3840	8.8	47 25.19	3.0404	0.0030	2 31 44.4	16.789	0.235	91.7	224 333	2 2995
3841	9.0	9 47 38.70	+3.0410	−0.0030	−2 29 19.3	−16.800	−0.235	91.7	224 333	2 2997
3842	8.3	47 38.98	3.0002	0.0016	5 40 28.6	16.800	0.232	91.2	124 313	5 2927
3843	9.2	47 41.60	3.0287	0.0026	3 27 19.4	16.802	0.234	91.2	211 228 232 233	3 2800
3844	8.5	47 42.21	3.0167	0.0022	4 23 21.3	16.803	0.233	97.7	2 Beob.	4 2747
3845	8.8	48 37.36	3.0430	0.0030	2 21 0.7	16.847	0.233	90.9	123a 135 334	2 3003
3846	7.3	9 48 39.96	+3.0298	−0.0026	−3 23 27.8	−16.849	−0.232	90.8	5 Beob.	3 2802
3847	9.1	48 50.80	3.0280	0.0025	3 32 3.4	16.857	0.232	90.7	126 209	[3 2803]
3848	9.2	49 8.81	3.0193	0.0022	4 13 36.8	16.872	0.231	90.9	124 209 229	4 2750
3849	8.3	49 28.69	3.0457	0.0031	2 8 42.9	16.887	0.232	91.2	211 224 228	1 2319
3850	8.5	49 29.92	3.0228	0.0023	3 57 50.4	16.888	0.230	91.7	217 333	3 2806

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. Dr
3851	8.6	$9^h\ 49^m\ 35^s.80$	$+3^s.0148$	$-0^s.0020$	$-4°\ 36'\ 1''.8$	$-16''.893$	$-0''.230$	91.3	219 232 233	4° 2752
3852	9.0	49 42.36	3.0286	0.0025	3 30 17.9	16.898	0.230	90.2	109 122ª 123ª 135	3 2807
3853	8.6	49 44.35	3.0089	0.0018	5 4 11.9	16.899	0.229	91.2	211 228	4 2753
3854	9.3	49 59.56	3.0362	0.0027	2 54 39.3	16.911	0.231	90.7	126 209	[2 3012]
3855	9.1	50 0.05	3.0042	0.0017	5 26 53.1	16.912	0.228	91.5	217 224 229 333	5 2935
3856	7.3	9 50 35.47	+3.0164	−0.0020	−4 30 6.1	−16.939	−0.228	91.3	219 232 233	4 2757
3857	9.1	50 42.14	3.0172	0.0021	4 26 20.6	16.945	0.228	91.2	211 228 229	4 2758
3858	8.5	50 43.90	3.0016	0.0015	5 40 59.3	16.946	0.227	90.7	124 209	5 2939
3859	9.1	50 53.44	3.0195	0.0021	4 15 47.4	16.953	0.228	91.5	217 224 333	[4 2759]
3860	8.3	51 3.45	3.0312	0.0025	3 20 4.7	16.961	0.228	90.2	109 122ª 123ª 135	3 2815
3861	8.4	9 51 24.86	+3.0309	−0.0025	−3 21 43.5	−16.978	−0.228	90.2	109 122ª 126	3 2817
3862	9.0	51 43.74	3.0120	0.0018	4 53 23.4	16.993	0.226	91.2	211 219 228	4 2762
3863	8.2	51 49.08	3.0068	0.0017	5 18 31.9	16.997	0.225	90.7	124 209	5 2945
3864	8.6	52 7.15	3.0264	0.0023	3 44 50.1	17.011	0.226	91.3	135 333	3 2819
3865	9.0	52 12.84	3.0341	0.0026	3 7 28.9	17.015	0.227	91.2	217 224	2 3017
3866	8.5	9 52 16.00	+3.0145	−0.0019	−4 42 24.3	−17.017	−0.225	91.2	211 228 232 233	4 2764
3867	9.0	52 22.53	3.0303	0.0024	3 26 22.0	17.023	0.226	97.2	2 Beob.	3 2820
3868	9.3	52 59.27	3.0046	0.0015	5 31 37.2	17.051	0.223	91.0	124 209 229 232	[5 2952]
3869	9.0	53 0.94	2.9991	0.0014	5 58 44.6	17.052	0.223	91.5	219 224 333	5 2953
3870	9.0	53 19.94	2.9974	0.0013	6 7 36.5	17.067	0.222	91.7	217 333	5 2954
3871	8.3	9 53 27.17	+3.0340	−0.0025	−3 9 24.7	−17.072	−0.225	90.2	109 122ª 126	2 3022
3872	8.2	53 39.77	3.0274	0.0023	3 42 4.6	17.082	0.224	91.2	211 228	3 2824
3873	8.5	53 53.96	3.0352	0.0025	3 4 13.0	17.093	0.224	91.7	224 334	2 3023
3874	7.0	53 57.72	3.0417	0.0028	2 32 34.6	17.095	0.225	91.2	126 313	2 3024
3875	9.0	53 59.56	3.0241	0.0022	3 59 5.0	17.097	0.223	91.5	217 219 336	3 2825
3876	7.5	9 54 14.44	+3.0411	−0.0027	−2 35 45.1	−17.108	−0.224	91.2	211 228	2 3028
3877	8.9	54 21.80	3.0126	0.0017	4 56 4.2	17.114	0.222	92.2	313 334	4 2771
3878	8.5	54 50.91	3.0367	0.0026	2 58 18.5	17.136	0.223	90.2	109 122ª 126	2 3030
3879	9.2	54 51.83	3.0100	0.0016	5 10 0.6	17.137	0.221	95.9	3 Beob.	4 2774
3880	7.7	55 2.29	3.0178	0.0019	4 32 1.4	17.145	0.221	91.7	219 336	4 2775
3881	9.2	9 55 6.70	+3.0106	−0.0016	−5 7 14.6	−17.148	−0.220	91.2	211 228	4 2777
3882	9.0	55 7.21	3.0143	0.0018	4 49 5.8	17.148	0.220	92.2	313 334	4 2776
3883	9.0	55 13.41	3.0270	0.0022	3 46 48.3	17.153	0.221	98.2	2 Beob.	3 2828
3884	8.3	55 13.64	2.9972	0.0012	6 13 32.3	17.153	0.219	92.2	332 334	6 3054
3885	8.8	55 51.12	2.9976	0.0012	6 13 22.4	17.181	0.218	91.7	217 334	6 3057
3886	9.1	9 55 51.32	+3.0259	−0.0021	−3 52 57.8	−17.181	−0.220	91.3	232 233	3 2830
3887	8.6	55 52.91	3.0271	0.0022	3 47 5.5	17.183	0.220	92.2	313 336	3 2831
3888	6.8	55 55.48	3.0401	0.0026	2 42 32.3	17.185	0.221	90.2	109 122ª 126	2 3032
3889	9.1	56 9.02	3.0086	0.0015	5 19 23.7	17.195	0.218	91.2	211 219 228	5 2969
3890	9.1	56 12.58	3.0322	0.0024	3 22 9.7	17.197	0.220	92.2	313 333	3 2832
3891	8.8	9 56 32.47	+3.0437	−0.0027	−2 25 35.6	−17.212	−0.220	91.7	224 333	2 3036
3892	8.2	56 44.93	3.0171	0.0018	4 38 50.6	17.222	0.218	91.3	232 233	4 2780
3893	9.0	56 48.23	3.0314	0.0023	3 27 16.1	17.224	0.219	92.2	313 333	3 2839
3894	8.5	56 51.82	3.0262	0.0021	3 53 19.4	17.227	0.218	91.3	135 334	3 2840
3895	8.8	56 51.95	3.0102	0.0015	5 13 30.9	17.227	0.217	91.7	217 334	5 2972
3896	8.8	9 57 0.12	+3.0358	−0.0024	−3 5 22.1	−17.233	−0.219	90.2	109 122ª 126	2 3039
3897	8.8	57 27.69	2.9999	0.0012	6 6 5.3	17.253	0.215	91.2	211 219 228	5 2975
3898	9.1	57 33.80	3.0212	0.0019	4 19 49.5	17.258	0.217	91.7	224 333	4 2782
3899	8.7	57 42.95	3.0010	0.0012	6 1 14.6	17.265	0.215	92.2	313 336	5 2976
3900	8.8	57 50.88	3.0080	0.0014	5 26 40.6	17.271	0.215	92.2	313 334	5 2977

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
3901	9.1	$9^h\,57^m\,51^s.71$	$+3^s.0427$	$-0^s.0027$	$-2°\,31'\,36''.8$	$-17''.271$	$-0''.218$	91.5	4 Beob.	2° 3042
3902	7.3	57 55.47	3.0117	0.0015	5 8 5.9	17.274	0.216	91.3	232 233	4 2784
3903	8.8	58 1.01	2.9970	0.0010	6 21 57.8	17.278	0.214	91.2	211 228	6 3062
3904	8.8	58 13.80	2.9997	0.0011	6 9 20.2	17.288	0.214	91.5	219 224 333	5 2979
3905	9.1	58 21.45	3.0197	0.0018	4 28 46.6	17.293	0.216	98.2	2 Beob.	[4 2786]
3906	8.8	9 58 32.79	+3.0457	−0.0027	−2 17 28.4	−17.302	−0.217	90.7	4 Beob.	2 3044
3907	9.1	58 33.37	3.0074	0.0014	5 31 7.0	17.302	0.214	91.7	217 334	5 2981
3908	7.8	58 35.19	3.0373	0.0024	2 59 50.3	17.303	0.216	98.9	3 Beob.	2 3045
3909	9.4	58 56.02	3.0237	0.0019	4 9 31.2	17.319	0.215	91.3	232 233	3 2844
3910	9.1	59 13.57	3.0292	0.0021	3 42 1.9	17.332	0.215	92.2	332 333	[3 2845]
3911	9.2	9 59 15.41	+3.0201	−0.0018	−4 28 32.0	−17.333	−0.214	91.2	211 219 228	4 2789
3912	8.5	59 31.90	3.0467	0.0027	2 13 13.4	17.345	0.216	91.2	126 313	2 3048
3913	8.7	59 48.15	3.0164	0.0016	4 48 28.2	17.357	0.213	91.2	211 228	4 2791
3914	9.0	10 0 3.40	3.0091	0.0013	5 26 26.3	17.368	0.212	90.9	109 122[a] 219 334	5 2984
3915	7.0	0 8.88	3.0374	0.0024	3 1 56.0	17.372	0.214	90.9 91.0	119[1] 126 337	2 3052
3916	7.4	10 0 17.30	+3.0391	−0.0024	−2 53 22.8	−17.378	−0.214	91.3	135 333	2 3053
3917	9.1	0 26.41	3.0134	0.0015	5 5 33.6	17.385	0.211	91.3	224 232 233	[4 2794]
3918	8.9	0 41.21	3.0127	0.0014	5 9 15.7	17.396	0.211	91.7	217 333	4 2795
3919	9.0	0 53.78	3.0154	0.0015	4 56 11.5	17.405	0.211	91.7	217 334	4 2798
3920	9.0	1 10.51	3.0034	0.0011	5 58 19.7	17.417	0.209	91.2	211 228	5 2986
3921	9.2	10 1 25.38	+3.0395	−0.0024	−2 52 18.6	−17.428	−0.212	90.8	119 126 232 233	[2 3062]
3922	9.0	1 51.69	3.0249	0.0018	4 8 49.6	17.446	0.210	91.7	217 333	3 2853
3923	7.6	1 55.20	3.0405	0.0024	2 47 47.3	17.449	0.211	91.3	135 333	2 3067
3924	8.7	2 1.48	3.0048	0.0011	5 53 17.3	17.454	0.208	91.5	219 224 334	5 2989
3925	8.2	2 4.90	3.0143	0.0014	5 4 41.9	17.456	0.209	91.2	211 228	4 2802
3926	9.3	10 2 16.65	+3.0192	−0.0016	−4 39 31.5	−17.464	−0.209	91.3	224 232 233	4 2803
3927	7.6	2 36.17	3.0044	0.0010	5 57 14.5	17.478	0.207	90.9	109 122[a] 334	5 2991
3928	8.5	2 56.07	3.0129	0.0013	5 13 45.0	17.493	0.207	91.7	217 333	5 2993
3929	9.1	3 19.88	3.0094	0.0012	5 33 16.2	17.510	0.206	91.3	224 232 233	5 2995
3930	7.5	3 27.72	3.0387	0.0023	2 59 18.9	17.515	0.208	90.2	119 126 135	2 3069
3931	8.2	10 3 29.58	+3.0311	−0.0020	−3 39 25.5	−17.516	−0.208	04.2	2 Beob.	3 2856
3932	9.3	4 14.76	3.0207	0.0015	4 35 42.4	17.548	0.206	91.0	122[a] 219 232 233	[4 2806]
3933	8.2	4 25.62	3.0337	0.0020	3 27 25.8	17.556	0.206	91.2	135 217 228 333	3 2860
3934	8.8	4 45.24	3.0216	0.0016	4 32 6.3	17.570	0.205	91.5	119 313 336	4 2807
3935	9.0	4 57.52	3.0036	0.0009	6 7 49.8	17.578	0.203	91.2	211 228	5 3002
3936	9.2	10 5 7.54	+3.0400	−0.0023	−2 55 2.5	−17.585	−0.206	91.7	224 334	[2 3078]
3937	9.3	5 8.10	3.0436	0.0024	2 35 33.7	17.586	0.206	92.2	332 333	[2 3079]
3938	8.0	5 23.09	3.0169	0.0013	4 58 42.9	17.596	0.203	91.7	224 336	4 2809
3939	9.1	5 23.97	3.0127	0.0012	5 21 12.6	17.597	0.203	97.0 96.2	3 Beob.	5 3005
3940	8.0	5 52.35	3.0300	0.0018	3 49 51.7	17.617	0.203	92.2	313 333	3 2865
3941	8.5	10 6 21.39	+3.0313	−0.0019	−3 43 43.3	−17.637	−0.203	91.5	119 313 333	3 2867
3942	8.6	6 27.96	3.0097	0.0010	5 39 52.2	17.641	0.201	91.7	224 333	5 3008
3943	7.8	7 0.84	3.0095	0.0010	5 42 36.9	17.664	0.200	91.7	224 333	5 3011
3944	8.7	7 14.83	3.0222	0.0015	4 34 12.7	17.674	0.201	91.7	224 317	4 2812
3945	9.0	7 15.26	3.0369	0.0020	3 14 41.2	17.674	0.202	91.2	119 313	3 2870
3946	9.0	10 7 15.94	+3.0123	−0.0011	−5 28 4.7	−17.675	−0.200	91.3	232 233	5 3012
3947	9.0	7 51.24	3.0305	0.0018	3 50 34.0	17.699	0.200	90.9	109 135 317	3 2871
3948	8.7	8 12.23	3.0210	0.0014	4 43 22.3	17.713	0.199	91.5	4 Beob.	4 2816
3949	7.0	8 29.76	3.0225	0.0014	4 35 28.4	17.725	0.198	91.2	211 228	4 2817
3950	7.3	8 44.51	3.0212	0.0013	4 43 27.9	17.735	0.198	90.9	119 232 233	4 2819

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
3951	9.1	10h 8m 44s.98	+3s.0135	−0s.0010	−5° 25′ 11″.7	−17″.736	−0″.197	91.2	211 228	5° 3016
3952	7.8	8 51.36	3.0332	0.0018	3 37 41.9	17.740	0.199	90.9	109 135 333	3 2873
3953	8.6	8 57.04	3.0243	0.0014	4 26 55.6	17.744	0.198	91.7	224 317	4 2821
3954	9.1	9 1.49	3.0483	0.0024	2 14 49.9	17.747	0.199	92.2	333 337	[2 3094]
3955	9.0	9 24.08	3.0069	0.0007	6 3 38.1	17.762	0.196	91.5	219 232 233 313	5 3018
3956	7.8	10 9 38.22	+3.0470	−0.0023	−2 22 45.1	−17.772	−0.198	91.2	211 228	2 3097
3957	9.0	9 52.97	3.0439	0.0022	2 40 18.6	17.782	0.198	91.3	135 333	2 3099
3958	8.5	9 53.34	3.0106	0.0008	5 44 28.6	17.782	0.195	91.7	224 317	5 3021
3959	8.8	10 6.65	3.0087	0.0008	5 55 33.5	17.791	0.195	91.2	109 334	5 3024
3960	9.0	10 26.93	3.0135	0.0009	5 29 47.3	17.804	0.194	91.5	4 Beob.	5 3025
3961	9.3	10 10 50.65	+3.0147	−0.0009	−5 24 39.0	−17.820	−0.194	91.5	211 228 337	[5 3026]
3962	8.0	10 59.14	3.0235	0.0013	4 35 55.4	17.826	0.194	91.2	135 317	4 2827
3963	8.5	11 10.16	3.0362	0.0018	3 24 55.6	17.833	0.195	91.3	232 233	3 2877
3964	8.1	11 15.56	3.0157	0.0010	5 19 51.5	17.837	0.193	91.7	224 333	5 3028
3965	8.7	11 21.51	3.0219	0.0012	4 45 36.0	17.841	0.194	91.7	232 317	4 2830
3966	9.1	10 11 27.83	+3.0479	−0.0023	−2 19 41.0	−17.845	−0.195	91.2	109 334	[2 3106]
3967	8.2	11 30.55	3.0503	0.0024	2 6 13.2	17.847	0.195	92.2	313 336	1 2369
3968	7.7	11 42.61	3.0483	0.0023	2 17 54.1	17.855	0.195	91.2	109 334	2 3108
3969	9.0	11 49.79	3.0159	0.0009	5 20 31.5	17.860	0.192	91.2	211 219 228	5 3031
3970	9.0	11 57.07	3.0330	0.0016	3 44 22.0	17.865	0.193	91.3	135 336	3 2881
3971	8.8	10 12 18.51	+3.0049	−0.0005	−6 23 31.5	−17.879	−0.191	04.2	2 Beob.	6 3121
3972	8.2	12 28.00	3.0407	0.0019	3 2 3.8	17.885	0.193	91.2	211 228	2 3110
3973	(9.0)[1]	12 54.21	3.0497	0.0023	2 11 31.6	17.902	0.193	91.3	232 233	1 2372
3974	8.5	12 54.26	3.0377	0.0018	3 19 25.8	17.902	0.192	90.9	109 135 317	3 2887
3975	9.1	13 0.19	3.0131	0.0008	5 39 34.1	17.906	0.190	91.8	232 334	[5 3033]
3976	8.3	10 13 4.39	+3.0103	−0.0006	−5 55 24.3	−17.909	−0.190	92.2	334 337	5 3034
3977	9.0	13 4.83	3.0310	0.0015	3 58 21.3	17.909	0.191	91.7	219 334	3 2888
3978	8.6	13 13.28	3.0373	0.0018	3 22 39.6	17.915	0.191	92.2	317 337	3 2890
3979	8.8	13 14.66	3.0419	0.0020	2 56 22.9	17.916	0.192	92.2	315 336	2 3111
3980	9.1	13 33.86	3.0379	0.0018	3 19 26.1	17.928	0.191	91.2	211 228	3 2891
3981	9.0	10 13 53.97	+3.0114	−0.0006	−5 51 46.8	−17.941	−0.188	91.3	219 232 233	5 3040
3982	9.2	14 9.39	3.0355	0.0016	3 34 38.1	17.951	0.189	91.3	135 334	[3 2892]
3983	9.0	14 19.68	3.0300	0.0014	4 6 23.9	17.958	0.189	92.2	313 333	3 2894
3984	8.7	14 24.53	3.0345	0.0016	3 40 53.5	17.961	0.189	91.5	109 317 337	3 2896
3985	8.7	14 24.93	3.0193	0.0009	5 7 55.2	17.961	0.188	94.2	5 Beob.	4 2839
3986	6.5	10 14 30.25	+3.0249	−0.0012	−4 36 9.1	−17.965	−0.188	91.3	232 233	4 2840
3987	9.2	14 30.75	3.0421	0.0019	2 57 11.0	17.965	0.189	92.2	315 336	[2 3117]
3988	8.6	14 32.76	3.0395	0.0018	3 12 9.1	17.967	0.189	91.2	211 228	2 3118
3989	8.0	14 33.77	3.0237	0.0011	4 43 28.7	17.967	0.188	91.7	224 333	4 2841
3990	9.0	14 37.90	3.0290	0.0013	4 12 52.6	17.970	0.188	92.2	315 334	3 2897
3991	9.1	10 15 3.80	+3.0251	−0.0011	−4 36 21.7	−17.987	−0.187	91.7	219 333	[4 2842]
3992	8.0	15 3.98	3.0330	0.0015	3 50 29.5	17.987	0.188	92.2	313 336	3 2900
3993	9.0	15 9.38	3.0305	0.0014	4 5 36.8	17.990	0.187	91.7	224 334	3 2901
3994	9.0	15 16.82	3.0501	0.0022	2 11 57.1	17.995	0.188	91.2	135 317	1 2379
3995	7.7	15 37.74	3.0141	0.0006	5 41 23.7	18.008	0.186	91.2	211 228	5 3043
3996	7.0	10 15 42.48	+3.0226	−0.0010	−4 52 44.6	−18.011	−0.186	90.9	119 232 233	4 2846
3997	7.0	16 5.12	3.0224	0.0010	4 54 45.4	18.026	0.185	91.2	3 Beob.	4 2847
3998	8.8	16 20.55	3.0309	0.0013	4 5 41.4	18.036	0.185	91.2	109 317	3 2903
3999	8.0	16 31.79	3.0385	0.0016	3 21 21.7	18.043	0.186	91.3	135 333	3 2904
4000	9.0	16 43.97	3.0144	0.0006	5 43 19.4	18.051	0.184	91.2	211 228	5 3047

[1] Dupl. austr.; Com. 6″ 9½m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4001	8.2	10h 17m 20s.64	+3s.0330	−0s.0014	−3° 55′ 15″.7	−18″.074	−0″.184	91.7	224 317	3° 2907
4002	9.0	17 23.21	3.0384	0.0016	3 23 39.6	18.076	0.184	91.5	3 Beob.	3 2908
4003	8.7	17 36.06	3.0401	0.0017	3 14 12.2	18.084	0.184	91.7	224 334	3 2909
4004	9.0	17 37.40	3.0234	0.0009	4 52 59.4	18.084	0.183	92.2	315 334	4 2853
4005	8.4	17 46.00	3.0096	0.0003	6 14 53.9	18.090	0.182	91.3	232 233	6 3134
4006	8.9	10 17 47.32	+3.0119	−0.0004	−6 1 15.0	−18.091	−0.182	92.2	315 333	5 3052
4007	9.1	17 53.68	3.0298	0.0012	4 15 56.1	18.095	0.183	91.3	232 233	4 2855
4008	6.1	**18 23.21**	**3.0370**	**0.0015**	**3 34 6.9**	**18.113**	**0.182**		**Fund. Kat.**	3 2911
4009	6.7	18 28.74	3.0413	0.0017	3 8 14.7	18.117	0.182	91.3	232 233	2 3132
4010	8.9	18 30.16	3.0473	0.0019	2 32 23.4	18.118	0.183	91.7	224 334	2 3133
4011	7.3	10 19 3.51	+3.0287	−0.0011	−4 25 15.5	−18.138	−0.180	90.9	119 232 233	4 2861
4012	8.5	19 30.62	3.0518	0.0021	2 6 49.6	18.155	0.181	91.7	224 334	1 2383
4013	9.6	19 49.18	3.0128	0.0003	6 2 28.6	18.167	0.178	92.2	313 315 334	[5 3060]
4014	8.8	19 51.81	3.0430	0.0017	3 0 42.4	18.168	0.180	92.2	313 317	2 3138
4015	8.9	19 53.11	3.0384	0.0015	3 28 2.8	18.169	0.180	90.3	125 137	3 2914
4016	8.9	10 20 15.57	+3.0323	−0.0012	−4 6 20.9	−18.183	−0.179	90.9	119 232 233	3 2916
4017	9.0	20 22.23	3.0178	0.0005	5 34 31.1	18.187	0.178	91.2	211 219 228	5 3061
4018	9.1	20 24.56	3.0316	0.0011	4 10 26.4	18.188	0.178	91.0	109 224 232 233	3 2917
4019	9.4	21 8.83	3.0305	0.0010	4 19 23.5	18.215	0.177	90.3	125 137	[4 2869]
4020	8.7	21 11.26	3.0381	0.0014	3 32 37.7	18.217	0.177	90.2	123 133	3 2920
4021	7.2	10 21 16.99	+3.0149	−0.0003	−5 55 5.9	−18.220	−0.176	91.2	211 219 228	5 3062
4022	9.3	21 39.97	3.0143	0.0002	5 59 52.6	18.234	0.175	91.3	224 232 233	[5 3063]
4023	7.0	21 43.74	3.0350	0.0012	3 52 45.7	18.237	0.176	91.5	119 313 334	3 2921
4024	8.5	21 56.47	3.0481	0.0018	2 32 32.5	18.244	0.177	91.2	109 317	2 3143
4025	8.5	21 57.33	3.0226	0.0006	5 9 57.2	18.245	0.175	90.2	123 133	4 2873
4026	8.5	10 22 4.06	+3.0334	−0.0011	−4 3 49.1	−18.249	−0.176	90.3	125 137	3 2924
4027	9.0	22 5.02	3.0484	0.0018	2 30 46.9	18.250	0.176	91.2	109 317	2 3145
4028	8.3	22 30.92	3.0437	0.0016	3 0 31.0	18.265	0.175	91.2	211 228	2 3147
4029	9.0	22 31.50	3.0349	0.0011	3 55 32.1	18.266	0.175	91.2	119 232 336	3 2925
4030	8.5	22 51.82	3.0516	0.0019	2 12 11.1	18.278	0.175	91.7	224 317	1 2391
4031	9.0	10 22 51.92	+3.0230	−0.0006	−5 9 53.5	−18.278	−0.174	91.7	219 334	4 2877
4032	9.1	23 0.73	3.0441	0.0016	2 59 8.2	18.283	0.174	97.2	2 Beob.	[2 3149]
4033	8.9	23 7.82	3.0314	0.0010	4 18 43.3	18.287	0.174	90.9	123 133 315	4 2878
4034	8.0	23 13.53	3.0143	0.0001	6 4 54.1	18.291	0.172	91.7	224 317	5 3071
4035	9.5	23 20.27	3.0315	0.0009	4 18 13.1	18.295	0.173	92.2	313 334	[4 2880]
4036	7.7	10 23 32.44	+3.0173	−0.0003	−5 47 33.3	−18.302	−0.172	91.7	219 317	5 3073
4037	6.7	23 39.87	3.0419	0.0014	3 13 50.9	18.307	0.173	91.3	232 233	3 2929
4038	9.0	23 40.78	3.0259	0.0007	4 54 24.4	18.307	0.172	91.2	211 228	4 2883
4039	9.3	23 50.93	3.0330	0.0010	4 10 31.7	18.313	0.172	91.5	119 313 336	[3 2930]
4040	8.7	24 2.61	3.0330	0.0010	4 10 56.8	18.320	0.172	91.5	119 313 336	3 2931
4041	9.1	10 24 5.86	+3.0251	−0.0006	−5 0 24.2	−18.322	−0.171	90.9	123 133 315	4 2887
4042	8.7	24 11.13	3.0441	0.0015	3 0 53.4	18.325	0.172	91.2	109 334	2 3154
4043	6.0	24 24.01	3.0517	0.0019	2 13 37.5	18.333	0.172	90.5	109 125 137 224	2 3155
4044	9.2	24 32.88	3.0234	0.0005	5 12 28.0	18.338	0.170	91.7	219 334	[4 2888]
4045	9.0	24 44.87	3.0371	0.0011	3 46 39.1	18.345	0.171	91.2	211 228	3 2933
4046	(8.2)[1]	10 24 45.96	+3.0406	−0.0013	−3 24 10.0	−18.346	−0.171	91.3	232 233	3 2934
4047	8.6	25 7.69	3.0428	0.0014	3 11 1.7	18.358	0.171	92.2	313 317	2 3160
4048	9.0	25 16.01	3.0472	0.0016	2 43 34.3	18.363	0.171	90.2	123 133	2 3161
4049	9.0	25 39.81	3.0322	0.0008	4 19 49.6	18.377	0.169	90.3	125 137	4 2890
4050	9.0	25 44.79	3.0303	0.0007	4 32 34.5	18.380	0.169	91.4	4 Beob.	4 2892

[1] Dupl. maj.; Com. 15″ 9m.3

Nr.	Gr.	A. R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.	
4051	9.1	10h 26m 6s.85	+3s.0305	−0s.0007	−4° 32′ 1″.0	−18″.393	−0″.168	91.5	3 Beob.	4° 2894	F2
4052	9.0	26 17.00	3.0180	−0.0001	5 52 28.6	18.399	0.167	92.2	336 337	5 3077	F0
4053	8.6	26 22.01	3.0427	−0.0013	3 13 48.7	18.402	0.168	90.2	123 133	3 2939	K2
4054	8.5	26 28.97	3.0509	−0.0017	2 21 13.3	18.406	0.169	90.3	125 137	2 3165	K0
4055	8.5	27 2.17	3.0530	−0.0018	2 8 31.3	18.425	0.168	91.2	109 321	1 2403	K0
4056	7.2	10 27 26.53	+3.0216	−0.0002	−5 33 33.9	−18.439	−0.165	91.7	219 317	5 3080	K0
4057	8.0	27 29.72	3.0391	−0.0011	3 40 8.5	18.441	0.166	90.2	119 125 137	3 2943	K5
4058	9.1	27 38.31	3.0141	−0.0002	6 22 42.1	18.446	0.164	91.3	224 232 233	6 3181	G5
4059	7.5	28 11.24	3.0286	−0.0005	4 50 33.7	18.464	0.164	91.2	109 317	4 2898	K0
4060	9.1	28 32.96	3.0386	−0.0010	3 45 36.3	18.477	0.164	90.2	123 133	3 2947	K5
4061	9.0	10 28 42.76	+3.0195	0.0000	−5 51 48.3	−18.482	−0.163	91.5	219 224 317	5 3089	K0
4062	9.1	28 51.23	3.0418	−0.0011	3 24 57.3	18.487	0.164	91.5	119 313 334	3 2948	F8
4063	8.9	28 52.87	3.0333	−0.0007	4 21 32.4	18.488	0.163	90.2	123 133	4 2901	F5
4064	8.8	29 15.36	3.0441	−0.0012	3 10 46.9	18.501	0.163	90.9	125 232 233	2 3173	K2
4065	9.1	29 28.54	3.0230	−0.0001	5 31 1.9	18.508	0.162	91.3	219 232 233	[5 3093]	K2
4066	9.1	10 29 33.46	+3.0405	−0.0010	−3 35 22.5	−18.511	−0.162	92.2	313 321	3 2949	K5
4067	9.1	29 43.11	3.0178	+0.0002	6 6 30.9	18.516	0.161	91.7	224 321	5 3094	G0
4068	7.0	29 46.02	3.0424	−0.0011	3 22 42.1	18.518	0.162	90.8	119 125 313	3 2950	F8
4069	9.2	29 47.64	3.0186	+0.0001	6 1 36.6	18.519	0.161	92.2	315 321	5 3096	G5
4070	8.8	30 21.16	3.0503	−0.0015	2 31 26.9	18.537	0.162	90.2	123 133	2 3177	F2
4071	9.1	10 30 21.64	+3.0215	0.0000	−5 44 27.4	−18.538	−0.160	92.2	315 317	[5 3097]	F5
4072	7.5	30 22.88	3.0295	−0.0004	4 50 41.6	18.538	0.160	91.3	219 232 233	4 2906	A2
4073	9.0	30 29.57	3.0417	−0.0010	3 29 10.4	18.542	0.161	92.2	313[1] 321	3 2951	F5
4074	9.3	30 42.33	3.0364	−0.0007	4 5 21.0	18.549	0.160	91.5	109 315 334	[3 2956]	K0
4075	9.0	31 3.11	3.0477	−0.0013	2 50 12.1	18.561	0.160	91.5	119 313 334	2 3179	K0
4076	9.1	10 31 25.28	+3.0258	−0.0001	−5 18 58.2	−18.573	−0.158	91.2	219 224 232 233	5 3103	G5
4077	9.0	31 26.51	3.0347	−0.0006	4 18 38.6	18.574	0.159	90.2	123 133	4 2910	K0
4078	8.9	31 28.40	3.0195	+0.0002	6 2 1.2	18.575	0.158	92.2	313 317	5 3104	
4079	8.3	31 44.91	3.0166	+0.0004	6 22 23.6	18.584	0.157	91.7	224 317	6 3194	F8
4080	9.3	31 59.43	3.0284	−0.0002	5 3 22.2	18.592	0.157	91.3	232 233	[4 2912]	
4081	9.4	10 32 3.80	+3.0377	−0.0007	−4 0 24.1	−18.594	−0.158	91.5	109 315 321	[3 2961]	
4082	9.0	32 10.59	3.0504	−0.0014	2 33 7.8	18.598	0.158	90.3	125 137	2 3181	F0
4083	9.1	32 15.31	3.0402	−0.0008	3 43 41.0	18.600	0.158	90.2	123 133	[3 2962]	K0
4084	9.1	32 22.72	3.0187	+0.0003	6 11 8.8	18.604	0.156	91.5	219 224 321	5 3107	
4085	8.9	32 37.50	3.0434	−0.0010	3 22 11.1	18.612	0.157	90.2	119 125 137	3 2965	F5
4086	9.3	10 32 57.20	+3.0396	−0.0007	−3 49 38.1	−18.623	−0.156	91.3	232 233	3 2966	F5
4087	8.8	33 3.10	3.0251	0.0000	5 29 49.4	18.626	0.155	92.2	313 317	5 3110	G0
4088	9.4	33 9.42	3.0258	0.0000	5 25 9.6	18.630	0.155	92.2	313 321	[5 3111]	
4089	9.3	33 40.18	3.0347	−0.0004	4 25 24.0	18.646	0.155	91.5	109 315 317	4 2917	
4090	8.9	33 48.60	3.0441	−0.0010	3 19 52.3	18.651	0.155	90.2	5 Beob.	3 2969	G5
4091	8.7	10 33 57.55	+3.0199	+0.0004	−6 8 52.8	−18.655	−0.153	91.7	219 321	5 3113	
4092	8.7	34 6.47	3.0268	0.0000	5 21 41.3	18.660	0.154	91.7	224 334	5 3114	
4093	8.6	34 14.13	3.0240	+0.0002	5 41 30.1	18.664	0.153	91.3	219 232 233	5 3116	
4094	8.0	35 13.69	3.0205	+0.0004	6 10 10.0	18.696	0.151	91.7	224 317	5 3120	K2
4095	9.1	35 24.04	3.0224	+0.0004	5 57 39.7	18.701	0.151	91.6	232 233 315	[5 3121]	
4096	9.0	10 35 48.56	+3.0305	−0.0001	−5 1 23.2	−18.714	−0.151	92.2	313 334	4 2921	G
4097	8.7	36 4.97	3.0456	−0.0009	3 14 22.7	18.723	0.151	91.7	224 321	3 2976	F5
4098	9.0	36 28.40	3.0371	−0.0004	4 16 23.8	18.735	0.150	91.3	232 233	4 2922	
4099	9.0	36 49.44	3.0372	−0.0004	4 16 30.8	18.746	0.149	92.2	315 321	4 2925	K5
4100	8.2	36 50.99	3.0433	−0.0007	3 33 4.3	18.747	0.149	91.8	232 334	3 2977	F2

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
4101	7.6	10h 36m 51s.42	+3s.0224	+0s.0005	—6° 3' 5".9	—18".747	—0".148	92.2	315 321	5°3124	F8
4102	9.2	37 1.51	3.0311	0.0000	5 1 36.8	18.752	0.149	92.2	315 334	[4 2927]	
4103	8.7	37 26.67	3.0291	+0.0001	5 17 21.9	18.765	0.148	91.7	224 321	5 3125	F0
4104	8.8	37 27.89	3.0232	+0.0005	5 59 43.9	18.766	0.147	92.2	319 337	5 3126	F5
4105	9.3	37 55.64	3.0213	+0.0006	6 15 52.4	18.780	0.146	92.2	315 321	[6 3216]	
4106	8.2	10 37 59.19	+3.0409	—0.0005	—3 53 1.1	—18.782	—0.147	91.7	224 317	3 2980	K5
4107	9.1	37 59.23	3.0206	+0.0007	6 21 18.4	18.782	0.146	91.3	26 337 340	6 3217	K0
4108	8.9	38 4.32	3.0479	—0.0009	3 2 4.8	18.784	0.147	90.9	119 232 233	2 3204	F8
4109	8.6	38 23.92	3.0452	—0.0007	3 22 29.4	18.794	0.147	89.9	25 123 133	3 2983	A0
4110	9.1	38 37.29	3.0234	+0.0006	6 3 18.6	18.801	0.145	91.6	219 232 340	[5 3131]	
4111	9.1	10 38 38.87	+3.0233	+0.0006	—6 4 7.0	—18.802	—0.145	91.5	219 233 319	[5 3132]	G
4112	9.1	38 39.79	3.0392	—0.0003	4 7 43.8	18.802	0.146	91.9 92.0	217 224[1] 340	[3 2984]	
4113	8.6	38 41.59	3.0511	—0.0010	2 39 48.9	18.803	0.146	90.3	125 137	2 3207	K0
4114	8.8	38 49.12	3.0523	—0.0011	2 31 12.7	18.807	0.146	91.7	224 317	2 3208	G0
4115	8.2	38 51.44	3.0276	+0.0003	5 33 15.9	18.808	0.145	90.7	26 315	5 3133	K0
4116	9.0	10 39 3.04	+3.0321	+0.0001	—5 0 54.6	—18.814	—0.145	90.2	123 133	4 2936	F0
4117	9.0	40 15.21	3.0508	—0.0009	2 45 4.7	18.850	0.144	90.2	119 125 137	2 3212	
4118	8.8	40 59.17	3.0258	+0.0006	5 55 52.3	18.872	0.141	90.2	26 219	5 3139	K2
4119	9.5	41 5.48	3.0561	—0.0012	2 6 33.0	18.875	0.142	91.1	5 Beob.	1 2439	
4120	8.5	41 9.75	3.0314	+0.0003	5 14 3.0	18.877	0.141	91.5	219 224 317	4 2941	A0
4121	9.0	10 41 10.57	+3.0376	—0.0001	—4 27 7.5	—18.878	—0.141	91.2	123 133 315 319	4 2942	K2
4122	9.0	41 18.12	3.0405	—0.0002	4 6 2.4	18.881	0.141	90.7	119 125 137 315	3 2991	K0
4123	8.0	41 45.53	3.0347	+0.0001	4 51 17.8	18.895	0.140	90.5	25 123 232 233	4 2946	A2
4124	9.0	42 37.67	3.0239	+0.0009	6 17 32.7	18.920	0.138	90.9	5 Beob.	6 3230	
4125	9.0	42 53.08	3.0457	—0.0004	3 29 58.2	18.928	0.139	90.7	119 123 133 317	3 2996	
4126	8.0	10 43 27.11	+3.0518	—0.0008	—2 43 38.7	—18.944	—0.138	90.9	125 137 319	2 3221	F5
4127	8.9	43 30.37	3.0505	—0.0007	2 54 27.4	18.945	0.138	90.7	25 315	2 3223	
4128	9.1	43 35.00	3.0409	—0.0001	4 9 40.1	18.948	0.137	91.3	224 232 233	3 2997	
4129	8.9	43 39.57	3.0486	—0.0006	3 9 11.4	18.950	0.137	90.3	125 137	2 3224	
4130	7.5	44 5.83	3.0356	+0.0003	4 52 41.8	18.962	0.136	90.2	26 219	4 2952	K0
4131	8.5	10 44 12.72	+3.0557	—0.0010	—2 14 40.2	—18.966	—0.136	91.7	224 319	2 3227	
4132	6.7[2]	44 13.11	3.0462	—0.0004	3 29 42.3	18.966	0.136	92.2	317 340	3 2999	A2
4133	8.6	44 23.02	3.0351	+0.0003	4 57 30.9	18.971	0.135	92.2	321 340	4 2954	F0
4134	9.0	44 29.30	3.0541	—0.0009	2 28 2.9	18.973	0.136	91.3	232 233	2 3228	
4135	8.8	44 30.64	3.0254	+0.0009	6 14 32.2	18.974	0.135	92.2	321 337	6 3235	K0
4136	8.7	10 44 47.49	+3.0564	—0.0010	—2 10 5.9	—18.982	—0.136	92.2	315 319	1 2450	K0
4137	8.6	45 2.69	3.0527	—0.0007	2 40 26.1	18.989	0.135	96.2	3 Beob.	2 3230	K2
4138	9.0	45 11.52	3.0343	+0.0004	5 7 32.1	18.993	0.134	91.7	219 317	4 2955	
4139	9.0	45 24.37	3.0566	—0.0010	2 9 47.4	18.999	0.134	92.2	315 319	1 2452	K0
4140	8.3	45 25.24	3.0267	+0.0009	6 8 36.6	19.000	0.133	92.2	319 337	5 3151	F8
4141	9.3	10 45 25.83	+3.0472	—0.0004	—3 25 22.2	—19.000	—0.134	92.3	336 340	[3 3002]	
4142	9.1	45 26.81	3.0349	+0.0004	5 3 47.0	19.000	0.133	92.2	315 317	[4 2957]	F0
4143	8.8	45 33.93	3.0261	+0.0010	6 14 31.0	19.004	0.133	92.2	319 337	6 3239	
4144	8.7	45 41.87	3.0414	0.0000	4 12 30.4	19.007	0.133	92.2	321 340	3 3003	
4145	9.2	45 49.81	3.0330	+0.0006	5 20 16.0	19.011	0.133	98.3	2 Beob.	[5 3152]	
4146	9.1	10 45 57.31	+3.0345	+0.0005	—5 8 49.3	—19.015	—0.132	91.8	219 315 317	[4 2962]	
4147	6.0	46 0.50	3.0537	—0.0007	2 33 44.3	19.016	0.133	96.3	3 Beob.	2 3236	K2
4148	8.9	46 7.22	3.0347	+0.0005	5 7 54.5	19.019	0.132	92.2	315 317	4 2963	F2
4149	9.0	46 9.15	3.0444	—0.0001	3 49 32.2	19.020	0.132	92.3	336 340	3 3004	F8
4150	8.7	46 9.17	3.0330	+0.0006	5 21 45.8	19.020	0.132	98.2	2 Beob.	5 3153	F8

[1] δ ½ [2] Dupl. 2" med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4151	7.5	10^{h} 46^{m} $14^{s}.38$	$+3^{s}.0416$	$+0^{s}.0001$	−4° 12' 22".1	−19".022	−0".132	92.2	321 340	3° 3005
4152	8.7	46 39.02	3.0497	−0.0005	3 7 54.4	19.034	0.132	92.2	315 317	2 3238
4153	9.1	46 43.23	3.0507	−0.0005	3 0 20.2	19.036	0.132	91.8	232 334	2 3239
4154	9.2	46 48.39	3.0341	+0.0006	5 15 27.1	19.038	0.131	91.7	219 321	5 3154
4155	8.5	46 50.39	3.0464	−0.0002	3 35 22.3	19.039	0.131	91.6	119 336 337	3 3006
4156	8.0	10 47 44.46	+3.0482	−0.0003	−3 23 7.7	−19.064	−0.130	90.2	123 133	3 3010
4157	7.2	47 47.77	3.0271	+0.0011	6 17 5.3	19.065	0.129	90.3	26 232	6 3252
4158	8.3	47 51.71	3.0545	−0.0007	2 31 8.7	19.067	0.130	90.3	125 137	2 3241
4159	9.0	47 56.74	3.0540	−0.0006	2 35 53.6	19.069	0.129	91.7 91.9	224[1] 317	2 3242
4160	9.0	48 2.64	3.0366	+0.0005	5 0 6.3	19.072	0.129	91.7	219 319	4 2968
4161	9.0	10 48 23.36	+3.0459	−0.0001	−3 44 3.7	−19.081	−0.128	91.5	119 315 334	3 3012
4162	9.0	48 31.71	3.0378	+0.0005	4 52 9.5	19.085	0.128	91.7	224 319	4 2972
4163	8.8	48 37.33	3.0457	0.0000	3 46 18.8	19.087	0.128	90.2	119 125 137	3 3013
4164	9.4	48 52.71	3.0318	+0.0009	5 43 50.2	19.094	0.127	91.6	224 232 317	[5 3160]
4165	8.5	48 56.61	3.0477	−0.0001	3 30 30.7	19.096	0.127	90.2	123 133	3 3015
4166	8.7	10 49 9.06	+3.0286	+0.0011	−6 11 50.9	−19.102	−0.126	90.2	26 219	5 3161
4167	8.3	49 43.70	3.0564	−0.0007	2 18 51.3	19.117	0.126	89.9	25 125 137	2 3247
4168	9.0	50 15.08	3.0354	+0.0008	5 19 12.9	19.131	0.124	91.5	119 315 319	5 3165
4169	8.5	50 19.20	3.0286	+0.0013	6 17 42.3	19.132	0.124	94.9 96.7	3 Beob.	6 3265
4170	7.9	50 40.39	3.0378	+0.0007	5 0 58.1	19.142	0.124	91.6	224 232 317	4 2975
4171	8.3	10 50 53.32	+3.0564	−0.0006	−2 21 25.5	−19.147	−0.124	89.9	25 125 137	2 3251
4172	9.0	50 53.93	3.0303	+0.0012	6 5 41.4	19.147	0.123	91.7	224 317	5 3166
4173	8.7	51 13.58	3.0498	−0.0001	3 19 18.3	19.156	0.123	90.2	123 133	3 3020
4174	8.7	51 36.04	3.0434	+0.0004	4 16 8.1	19.166	0.122	91.2	119 219 319	4 2977
4175	9.2	51 41.43	3.0509	−0.0002	3 10 57.3	19.168	0.122	90.9	123 133 315	[2 3253]
4176	8.7	10 51 46.21	+3.0562	−0.0005	−2 24 23.7	−19.170	−0.122	90.3	125 137	2 3254
4177	8.6	52 4.03	3.0319	+0.0012	5 57 48.1	19.178	0.121	04.2	2 Beob.	5 3173
4178	9.0	52 4.29	3.0335	+0.0011	5 44 22.5	19.178	0.121	91.2	5 Beob.	5 3172
4179	9.0	52 35.83	3.0438	+0.0004	4 15 54.4	19.191	0.120	90.2	119 125 137	4 2981
4180	9.2	52 39.59	3.0380	+0.0008	5 7 40.5	19.193	0.120	91.4	5 Beob.	4 2982
4181	8.5	10 53 7.22	+3.0529	−0.0002	−2 56 58.4	−19.204	−0.120	89.9	25 123 133	2 3259
4182	9.2	53 10.23	3.0410	+0.0006	4 43 24.1	19.206	0.119	91.7	232 233 315 319	4 2985
4183	9.0	53 31.70	3.0337	+0.0012	5 49 17.0	19.215	0.118	90.6	26 232 233	5 3178
4184	8.0	53 49.04	3.0451	+0.0004	4 8 34.2	19.222	0.118	90.2	123 133	3 3024
4185	9.0	53 52.83	3.0509	0.0000	3 16 50.8	19.223	0.118	90.3	125 137	3 3025
4186	9.2	10 54 14.11	+3.0405	+0.0008	−4 51 50.1	−19.232	−0.117	91.5	119 315 319	[4 2989]
4187	8.3	54 28.78	3.0473	+0.0003	3 51 19.2	19.238	0.117	90.9	125 137 319	3 3028
4188	8.7	54 29.10	3.0486	+0.0002	3 39 22.1	19.238	0.117	91.7	224 317	3 3027
4189	8.8	54 39.89	3.0421	+0.0007	4 39 3.5	19.243	0.117	91.5	219 224 317	4 2993
4190	7.3[2]	54 56.22	3.0535	−0.0001	2 56 10.8	19.249	0.117	89.9	25 123 133	2 3264
4191	8.5	10 55 10.86	+3.0383	+0.0010	−5 16 15.5	−19.255	−0.115	90.6	5 Beob.	5 3182
4192	8.7	56 4.63	3.0395	+0.0010	5 9 12.3	19.277	0.114	91.9	224 317 319	4 2996
4193	9.0	56 35.47	3.0518	+0.0001	3 16 37.2	19.289	0.113	90.2	123 133	3 3036
4194	9.2	56 41.20	3.0361	+0.0013	5 44 33.7	19.292	0.112	91.3	224 232 233	[5 3184]
4195	8.9	56 44.73	3.0575	−0.0003	2 23 53.6	19.293	0.113	90.3	125 137	2 3267
4196	6.7	10 57 31.57	+3.0540	0.0000	−2 58 26.9	−19.312	−0.112	90.2	123 133	2 3270
4197	7.7	57 42.18	3.0359	+0.0014	5 51 19.8	19.316	0.111	91.7	224 319	5 3189
4198	9.0	57 51.92	3.0550	0.0000	2 50 18.2	19.320	0.111	91.7	232 322	2 3272
4199	8.2	57 52.27	3.0596	−0.0004	2 5 50.1	19.320	0.111	91.2	137 319	1 2473
4200	8.6	57 55.05	3.0450	+0.0007	4 25 26.2	19.321	0.111	91.7	225 319	4 3001

[1] δ ½ [2] Dupl. 1". Nur Z. 133 Vermerk »dupl.?«

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4201	9.0	10h 58m 6s.12	+3s.0484	+0s.0005	−3° 53′ 55″.6	−19″.325	−0″.110	92.2	315 322	3° 3038
4202	8.5	58 14.06	3.0570	−0.0002	2 31 20.9	19.328	0.110	90.3	125 137	2 3278
4203	9.0	58 32.65	3.0562	−0.0001	2 39 56.6	19.335	0.110	91.2	119 232 336	2 3280
4204	9.1	58 35.04	3.0464	+0.0007	4 15 8.7	19.336	0.109	90.2	123 133	4 3002
4205	8.4	58 58.57	3.0364	+0.0015	5 54 7.8	19.345	0.109	90.7	26 315	5 3193
4206	8.2	10 59 21.03	+3.0431	+0.0010	−4 50 57.5	−19.354	−0.108	91.7	219 317	4 3006
4207	8.5	59 36.83	3.0579	−0.0002	2 25 58.9	19.360	0.108	90.7	25 315	2 3283
4208	7.3	59 37.80	3.0503	+0.0005	3 40 43.3	19.360	0.108	90.2	123 133	3 3040
4209	8.0	11 0 13.66	3.0367	+0.0016	5 57 59.7	19.374	0.106	90.3	26 225	5 3196
4210	8.4	0 23.51	3.0372	+0.0016	5 54 4.6	19.378	0.105	92.2	322 337	5 3197
4211	8.7	11 0 36.90	+3.0436	+0.0011	−4 51 12.5	−19.383	−0.105	91.7	219 317	4 3011
4212	9.0	0 52.27	3.0368	+0.0017	6 0 17.0	19.388	0.105	90.3	26 225	5 3199
4213	8.5	0 57.07	3.0439	+0.0011	4 50 24.2	19.390	0.105	90.2	123 133	4 3013
4214	8.8	1 45.10	3.0555	+0.0002	2 55 28.3	19.408	0.104	90.0	25 119 125 137	2 3287
4215	9.1	1 49.79	3.0375	+0.0017	5 59 26.4	19.410	0.103	91.2	26 315 321	[5 3201]
4216	8.8	11 1 52.03	+3.0431	+0.0013	−5 2 53.0	−19.410	−0.103	91.7	224 317	4 3014
4217	9.0	2 3.47	3.0565	+0.0001	2 47 5.5	19.415	0.103	92.2	321 337	2 3289
4218	9.1	2 5.89	3.0402	+0.0015	5 34 0.7	19.416	0.102	91.7	225 322	5 3203
4219	8.8	2 25.97	3.0489	+0.0008	4 6 24.1	19.423	0.102	91.7	219 319	3 3052
4220	8.3	2 26.26	3.0362	+0.0019	6 16 22.9	19.423	0.102	91.7	224 317	6 3310
4221	8.2	11 3 12.94	+3.0535	+0.0005	−3 21 18.2	−19.440	−0.101	90.0	25 119 125 137	3 3053
4222	9.2	3 13.20	3.0396	+0.0017	5 46 7.8	19.440	0.100	90.7	26 315	[5 3209]
4223	9.0	3 23.06	3.0507	+0.0008	3 51 17.1	19.443	0.100	89.9	27 123 133	3 3054
4224	8.8	3 27.97	3.0391	+0.0017	5 52 35.2	19.445	0.100	91.7	219 317	5 3211
4225	9.1	3 44.98	3.0409	+0.0016	5 35 51.3	19.451	0.099	91.7	224 319	5 3213
4226	8.5	11 3 47.51	+3.0604	−0.0001	−2 10 31.6	−19.452	−0.100	90.3	125 137	1 2490
4227	9.0	4 6.99	3.0369	+0.0020	6 19 56.5	19.459	0.099	91.7	219 317	6 3314
4228	8.9	4 15.03	3.0529	+0.0006	3 31 45.4	19.462	0.099	91.7	224 319	3 3058
4229	9.5	4 22.55	3.0606	0.0000	2 9 39.2	19.464	0.099	91.7	225 321	[1 2491]
4230	9.1	4 34.44	3.0412	+0.0017	5 37 29.1	19.469	0.098	90.7	26 315	5 3215
4231	8.8	11 4 38.17	+3.0590	+0.0001	−2 27 14.5	−19.470	−0.098	89.9	25 123 133	2 3298
4232	8.3	4 43.53	3.0433	+0.0015	5 16 9.8	19.472	0.098	91.7	219 321	5 3216
4233	8.2	5 14.76	3.0387	+0.0020	6 8 44.9	19.483	0.096	91.7	225 317	5 3218
4234	8.6	5 30.53	3.0544	+0.0006	3 19 55.8	19.488	0.097	90.3	125 137	3 3059
4235	9.0	5 40.68	3.0553	+0.0005	3 10 38.6	19.491	0.096	90.5	27 119 315	2 3301
4236	9.0	11 5 41.67	+3.0541	+0.0006	−3 23 53.2	−19.492	−0.096	90.2	123 133	3 3060
4237	8.7	5 46.63	3.0428	+0.0017	5 27 32.8	19.493	0.096	90.7	26 315	5 3221
4238	8.7	5 52.85	3.0420	+0.0018	5 36 29.6	19.496	0.095	91.7	224 317	5 3222
4239	8.9	5 53.21	3.0411	+0.0018	5 47 0.6	19.496	0.095	91.7	225 319	5 3223
4240	7.5	6 4.04	3.0467	+0.0014	4 46 42.6	19.499	0.095	91.7	219 319	4 3022
4241	7.7	11 6 11.69	+3.0459	+0.0014	−4 55 35.7	−19.502	−0.095	91.7	224 321	4 3024
4242	8.5	6 14.48	3.0494	+0.0011	4 18 1.9	19.503	0.095	90.9	125 137 321	4 3025
4243	8.8	6 23.07	3.0388	+0.0021	6 14 54.3	19.506	0.094	91.5	219 225 317	6 3321
4244	8.2	6 47.85	3.0548	+0.0007	3 19 41.1	19.514	0.094	90.5	25 123 133 315	3 3065
4245	8.7	7 29.99	3.0540	+0.0008	3 32 0.9	19.528	0.093	90.0	27 119 125 137	3 3066
4246	7.2	11 7 41.60	+3.0485	+0.0013	−4 34 24.0	−19.532	−0.092	91.7	219 317	4 3028
4247	8.8	7 47.66	3.0389	+0.0022	6 23 3.6	19.534	0.092	90.9	26 224 319	6 3326
4248	8.5	7 51.12	3.0554	+0.0007	3 17 18.5	19.535	0.092	90.6	123 133 225	3 3067
4249	8.2	8 20.35	3.0471	+0.0016	4 54 10.5	19.545	0.091	91.5	219 224 317	4 3030
4250	9.0	8 24.43	3.0507	+0.0012	4 13 33.1	19.546	0.091	90.9	27 225 321	3 3068

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4251	9.1	11h 8m 37s.42	+3s.0560	+0s.0007	−3° 13′ 31″.0	−19″.550	−0″.091	90.4	5 Beob.	[2° 3307]
4252	8.8	9 42.07	3.0516	0.0012	4 8 45.0	19.571	0.089	89.9	27 123 133	3 3075
4253	9.3	9 44.71	3.0498	0.0014	4 30 57.1	19.572	0.088	91.5	224 225 319	[4 3036]
4254	9.1	9 45.37	3.0503	0.0014	4 25 5.4	19.572	0.088	90.9	125 137 321	4 3037
4255	8.5	10 18.18	3.0506	0.0014	4 23 20.0	19.582	0.087	91.8	219 317 321	4 3040
4256	9.1	11 10 32.14	+3.0446	+0.0020	−5 36 25.9	−19.587	−0.087	91.2	26 315 319	5 3242
4257	9.1	10 37.03	3.0529	0.0012	3 57 50.2	19.588	0.087	89.9	25 123 133	3 3079
4258	9.5	10 59.60	3.0531	0.0012	3 57 15.5	19.595	0.086	90.3	25 225	[3 3080]
4259	7.7	11 5.69	3.0582	0.0007	2 55 37.2	19.597	0.086	90.0	27 125 137	2 3312
4260	8.7	11 12.49	3.0568	0.0008	3 12 57.5	19.599	0.086	91.7	219 317	2 3313
4261	8.9	11 11 23.30	+3.0508	+0.0015	−4 27 9.5	−19.603	−0.085	91.7	224 317	4 3042
4262	9.0	11 28.43	3.0575	0.0008	3 5 45.5	19.604	0.085	91.7	225 319	2 3314
4263	7.0	11 30.68	3.0559	0.0010	3 25 14.4	19.605	0.085	91.7	219 319	3 3085
4264	**4.6**	**11 34.65**	**3.0575**	**0.0008**	**3 6 17.7**	**19.606**	**0.085**		**Fund. Kat.**	**2 3315**
4265	8.5	11 38.97	3.0561	0.0010	3 23 49.6	19.607	0.085	92.2	315 319	3 3086
4266	8.7	11 11 44.42	+3.0502	+0.0016	−4 36 22.7	−19.609	−0.085	92.2	315 317	4 3044
4267	9.0	11 59.43	3.0429	0.0024	6 7 49.9	19.614	0.084	91.7	225 336	5 3247
4268	9.0	12 32.18	3.0495	0.0017	4 50 1.3	19.624	0.083	91.7	219 317	4 3045
4269	9.0	12 41.06	3.0553	0.0011	3 38 24.0	19.626	0.083	90.3	125 137	3 3087
4270	8.9	12 41.43	3.0472	0.0020	5 18 41.0	19.626	0.083	92.2	315 319	5 3248
4271	7.2	11 13 11.02	+3.0513	+0.0016	−4 30 57.7	−19.635	−0.082	90.3	125 137	4 3049
4272	8.3	13 20.16	3.0474	0.0020	5 20 58.1	19.638	0.081	91.5	219 225 317	5 3250
4273	8.4	13 40.26	3.0428	0.0025	6 21 45.2	19.644	0.081	90.3	26 141 224	6 3352
4274	9.0	13 46.32	3.0531	0.0015	4 10 48.0	19.645	0.081	89.9	27 123 133	3 3089
4275	9.0	14 16.19	3.0477	0.0021	5 23 9.7	19.654	0.080	90.3	125 137	5 3254
4276	9.0	11 14 17.62	+3.0623	+0.0005	−2 14 33.4	−19.655	−0.080	90.6	5 Beob.	2 3322
4277	8.3	14 39.76	3.0435	0.0026	6 21 0.8	19.661	0.079	96.7	2 Beob.	6 3356
4278		14 40.21	3.0435	0.0026	6 21 7.1	19.661	0.079	90.5	26 141 224 225	
4279	9.0	15 0.91	3.0513	0.0018	4 41 9.3	19.667	0.078	89.9	27 123 133	4 3052
4280	8.5	15 26.04	3.0621	0.0006	2 21 2.0	19.674	0.078	90.0	25 128 138	2 3325
4281	8.5	11 15 56.08	+3.0573	+0.0012	−3 26 57.6	−19.683	−0.077	90.3	125 137	3 3096
4282	8.7	16 2.05	3.0444	0.0027	6 20 30.6	19.684	0.076	90.6	26 141 315	6 3359
4283	8.7	16 2.63	3.0584	0.0011	3 12 52.4	19.684	0.077	91.7	224 336	2 3328
4284	9.1	16 5.37	3.0557	0.0014	3 49 53.7	19.685	0.076	90.3	27 224	3 3097
4285	8.0	16 10.99	3.0558	0.0014	3 49 7.2	19.687	0.076	89.9	27 123 133	3 3098
4286	8.8	11 16 16.99	+3.0524	+0.0018	−4 35 19.9	−19.688	−0.076	90.3	125 137	4 3056
4287	7.9	16 42.14	3.0500	0.0021	5 10 12.1	19.695	0.075	91.2	141 315	4 3057
4288	9.0	16 52.30	3.0594	0.0011	3 2 56.8	19.698	0.075	90.0	25 128 138	2 3330
4289	8.7	17 17.05	3.0528	0.0019	4 35 57.6	19.705	0.074	90.2	123 133	4 3058
4290	9.2	17 31.15	3.0523	0.0019	4 43 46.7	19.709	0.074	91.9	224 322 337	4 3060
4291	9.3	11 17 48.86	+3.0638	+0.0006	−2 5 42.3	−19.713	−0.073	90.3	27 225	1 2517
4292	9.1	17 52.82	3.0485	0.0024	5 39 6.0	19.714	0.073	90.7	26 315	[5 3265]
4293	9.1	17 52.86	3.0610	0.0010	2 45 27.1	19.714	0.073	97.3	2 Beob.	[2 3332]
4294	9.3	17 56.18	3.0480	0.0025	5 46 52.9	19.715	0.073	91.5	224 225 319	[5 3266]
4295	9.0	17 58.74	3.0578	0.0014	3 30 4.3	19.716	0.073	90.3	125 137[1]	3 3103
4296	9.1	11 18 4.34	+3.0523	+0.0020	−4 47 30.3	−19.717	−0.073	91.6	141 315 337	[4 3063]
4297	9.0	18 16.47	3.0533	0.0019	4 34 35.0	19.721	0.072	90.2	123 133	4 3065
4298	8.3	18 28.20	3.0612	0.0010	2 44 18.1	19.724	0.072	97.3	2 Beob.	2 3337
4299	7.0	19 17.28	3.0506	0.0024	5 21 28.9	19.736	0.070	90.3	26 141 225	5 3275
4300	9.3	19 21.76	3.0566	0.0016	3 53 56.7	19.738	0.070	90.5	27 125 137 337	[3 3108]

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
4301	9.1	11h 19m 25s.30	+3s.0569	+0s.0016	−3° 50′ 2″.1	−19″.739	−0″.070	97.2	2 Beob.	[3° 3109]
4302		19 25.87	3.0569	0.0016	3 50 4.3	19.739	0.070	90.9	123 133 319	
4303	8.8	19 44.50	3.0473	0.0028	6 13 4.1	19.744	0.069	91.2	141 315	5 3276
4304	8.9	20 0.29	3.0564	0.0017	4 1 52.1	19.747	0.069	90.0	27 125 137	3 3111
4305	8.8	20 9.86	3.0512	0.0024	5 19 10.0	19.750	0.068	91.5	224 225 319	5 3278
4306	8.7	11 20 23.17	+3.0620	+0.0011	−2 40 33.9	−19.753	−0.068	90.0	25 128 138	2 3342
4307	8.9	20 25.36	3.0508	0.0025	5 27 33.3	19.754	0.068	90.6	26 141 315	5 3281
4308	9.5	20 30.79	3.0567	0.0017	4 0 0.1	19.755	0.068	91.2	123 224 225 340	[3 3113]
4309	9.0	21 18.18	3.0540	0.0022	4 46 10.2	19.767	0.066	90.2	123 133	4 3071
4310	9.2	21 24.45	3.0593	0.0015	3 25 50.3	19.768	0.066	91.3	128 138 319 340	[3 3115]
4311	9.0	11 22 8.97	+3.0493	+0.0029	−6 4 26.4	−19.779	−0.065	90.6	26 141 337	5 3290
4312	9.1	22 11.51	3.0602	0.0014	3 15 46.4	19.780	0.065	90.2	123 133	[3 3119]
4313	8.9	22 12.03	3.0612	0.0013	3 0 9.6	19.780	0.065	90.0	25 128 138	2 3349
4314	9.4	22 27.46	3.0485	0.0030	6 19 55.1	19.784	0.064	91.7	225 319	[6 3384]
4315	9.1	22 52.44	3.0535	0.0024	5 5 29.6	19.790	0.063	91.3	141 337	4 3076
4316	9.1	11 23 25.45	+3.0626	+0.0013	−2 43 45.1	−19.797	−0.062	90.3	128 138	[2 3352]
4317	8.9	23 26.64	3.0521	0.0027	5 33 2.3	19.798	0.062	90.9	26 225 319	5 3294
4318	8.8	23 32.77	3.0623	0.0013	2 49 35.1	19.799	0.062	89.9	25 123 133	2 3353
4319	8.6	23 35.45	3.0519	0.0027	5 37 51.4	19.800	0.062	91.3	141 338	5 3296
4320	9.1	24 6.32	3.0503	0.0030	6 8 47.5	19.807	0.061	91.6	145 319 338	[5 3299]
4321	7.8	11 24 8.41	+3.0585	+0.0019	−3 53 53.0	−19.807	−0.061	90.3	27 225	3 3128
4322	8.8	24 16.41	3.0612	0.0015	3 10 18.3	19.809	0.061	90.3	125 137	2 3357
4323	8.7	24 38.02	3.0520	0.0029	5 45 26.0	19.814	0.060	91.3	145 340	5 3300
4324	8.9	24 58.16	3.0503	0.0032	6 17 0.5	19.818	0.059	91.3	141 338	6 3395
4325	**5.0**	**25 12.30**	**3.0641**	**0.0012**	**2 27 6.0**	**19.821**	**0.059**		**Fund. Kat.**	**2 3360**
4326	8.9	11 25 24.10	+3.0582	+0.0021	−4 8 20.1	−19.824	−0.058	90.8	27 340	3 3131
4327	9.0	25 25.61	3.0524	0.0029	5 45 53.7	19.824	0.058	91.7	225 319	5 3303
4328	7.6[1]	25 45.55	3.0512	0.0031	6 10 2.4	19.829	0.058	91.3	141 338	5 3304
4329	8.8	25 56.44	3.0644	0.0012	2 24 12.8	19.831	0.058	91.3	145 338	2 3363
4330	8.9	26 14.02	3.0599	0.0019	3 44 52.7	19.835	0.057	90.3	125 137	3 3134
4331	8.5	11 26 14.73	+3.0566	+0.0024	−4 42 26.3	−19.835	−0.057	91.7	222 319	4 3084
4332	9.1	26 16.54	3.0534	0.0029	5 37 43.4	19.835	0.057	91.7	225 319	[5 3305]
4333	9.4	26 30.34	3.0579	0.0023	4 21 34.3	19.838	0.056	90.8	27 340	4 3085
4334	6.5	26 51.43	3.0528	0.0031	5 54 58.2	19.843	0.056	91.3	141 337	5 3307
4335	8.5	27 0.46	3.0627	0.0016	2 58 44.2	19.845	0.055	90.8	128 138 145 338	2 3364
4336	9.5	11 27 0.99	+3.0627	+0.0016	−2 58 50.6	−19.845	−0.055	04.2	2 Beob.	2 3365
4337	8.0	27 18.34	3.0558	0.0027	5 4 23.1	19.848	0.055	91.7	225 319	4 3087
4338	9.4	27 23.29	3.0580	0.0024	4 25 41.2	19.849	0.055	92.2	321 338	[4 3088]
4339	8.5	27 25.49	3.0567	0.0026	4 50 56.2	19.850	0.055	92.2	321 338	4 3089
4340	8.5	27 27.08	3.0553	0.0028	5 15 6.2	19.850	0.054	91.7	225 319	5 3309
4341	9.1	11 27 31.63	+3.0517	+0.0033	−6 21 34.9	−19.851	−0.054	90.8	26 340	[6 3403]
4342	8.6	27 34.23	3.0598	0.0021	3 55 23.8	19.852	0.054	89.9	25 125 137	3 3137
4343	9.0	27 48.47	3.0572	0.0025	4 13 50.9	19.855	0.054	90.8	27 338	4 3092
4344	8.8	28 0.39	3.0563	0.0027	5 3 18.3	19.857	0.053	91.3	145 340	4 3093
4345	8.0	28 32.53	3.0535	0.0032	5 59 4.3	19.864	0.052	90.6	26 141 337	5 3313
4346	9.0	11 28 45.99	+3.0593	+0.0023	−4 13 48.7	−19.866	−0.052	91.5	222 225 319	3 3139
4347	8.5	28 58.18	3.0613	0.0020	3 36 50.9	19.869	0.052	90.0	27 128 138	3 3140
4348	8.8	29 15.19	3.0635	0.0017	2 57 4.7	19.872	0.051	90.0	25 128 138	2 3373
4349	7.0	29 16.25	3.0572	0.0027	4 58 30.0	19.872	0.051	90.8	143 222	4 3096
4350	9.2	29 30.21	3.0611	0.0021	3 45 3.9	19.875	0.051	91.3	125 137 321 340	[3 3141]

[1] Dupl. maj.; Com. 10^s 10^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
4351	9.0	11h 29m 34s.74	+3s.0571	+0s.0028	−5° 2' 15".4	−19".876	−0".050	90.8	145 225	4° 3098	K0
4352	8.2	29 39.31	3.0591	0.0025	4 24 6.1	19.877	0.050	91.3	145 338	4 3099	A0
4353	9.1	29 45.93	3.0570	0.0028	5 5 49.6	19.878	0.050	91.5 91.7	141[1] 225 319 340	[4 3100]	
4354	6.5	29 53.03	3.0611	0.0022	3 48 25.9	19.879	0.050	90.0	27 125 137	3 3144	K0
4355	8.6	30 8.48	3.0547	0.0033	5 56 22.2	19.882	0.049	90.3	26 143 222	5 3315	K2
4356	8.5	11 30 45.47	+3.0602	+0.0024	−4 12 12.6	−19.889	−0.048	90.3	128 138	3 3147	K0
4357	8.9	30 50.74	3.0594	0.0026	4 30 16.7	19.890	0.048	91.3	141 337	4 3103	
4358	8.8	30 55.42	3.0563	0.0031	5 32 3.9	19.891	0.048	90.8	143 222	5 3317	K0
4359	9.0	31 18.93	3.0606	0.0024	4 8 53.9	19.895	0.047	91.2	26 321 338	3 3150	K2
4360	8.9	31 24.67	3.0639	0.0019	3 1 57.4	19.896	0.047	90.0	25 128 138	2 3378	K0
4361	9.2	11 31 50.39	+3.0666	+0.0014	−2 9 22.0	−19.901	−0.046	92.2	319 340	[1 2545]	
4362	9.0	31 53.36	3.0548	0.0035	6 15 52.3	19.901	0.046	92.2	319 338	6 3420	
4363	8.3	32 6.55	3.0613	0.0024	4 2 21.2	19.904	0.046	92.2	319 337	3 3151	K5
4364	9.0	32 16.63	3.0566	0.0033	5 42 32.1	19.906	0.045	90.3	26 143 222	5 3320	F5
4365	8.0	32 19.05	3.0661	0.0016	2 20 19.4	19.906	0.045	92.2	321 340	2 3383	K5
4366	8.9	11 32 26.75	+3.0641	+0.0019	−3 4 50.4	−19.907	−0.045	97.0	3 Beob.	2 3384	
4367	8.0	32 27.57	3.0616	0.0024	3 57 6.8	19.907	0.045	90.3	128 138	3 3152	K0
4368	9.4	33 42.85	3.0668	0.0016	2 13 7.3	19.920	0.043	90.7	5 Beob.	[1 2547]	
4369	9.2	33 47.67	3.0668	0.0016	2 13 24.8	19.921	0.042	90.9	5 Beob.	[1 2548]	
4370	8.7	33 52.77	3.0575	0.0034	5 43 27.6	19.922	0.042	90.6	26 141 337	5 3322	A2
4371	9.2	11 34 10.69	+3.0604	+0.0029	−4 40 9.3	−19.925	−0.042	91.6	145 321 340	[4 3112]	
4372	8.5	34 13.00	3.0633	0.0023	3 34 57.1	19.925	0.042	90.8	143 222	3 3157	K2
4373	8.9	34 22.72	3.0671	0.0016	2 9 42.9	19.927	0.041	91.7	225 319	1 2551	K2
4374	8.5	34 34.03	3.0613	0.0028	4 25 47.6	19.929	0.041	90.8	143 222	4 3113	G5
4375	8.8	34 35.33	3.0570	0.0036	6 3 4.2	19.929	0.041	91.7	225 319	5 3325	G5
4376	9.2	11 34 38.79	+3.0664	+0.0017	−2 26 13.5	−19.929	−0.041	97.3	2 Beob.	[2 3387]	
4377	9.0	34 39.85	3.0586	0.0033	5 27 41.1	19.930	0.041	97.0	3 Beob.	5 3326	
4378	8.5	34 50.09	3.0614	0.0027	4 24 2.5	19.931	0.040	91.7	225 319	4 3114	K0
4379	8.9	35 2.11	3.0665	0.0018	2 26 21.5	19.933	0.040	91.2	128 337	2 3389	F2
4380	9.0	35 2.20	3.0586	0.0033	5 33 16.0	19.933	0.040	90.6	26 145 338	5 3328	
4381	9.0	11 35 9.91	+3.0643	+0.0022	−3 19 1.3	−19.934	−0.040	92.3	336 340	3 3158	G5
4382	8.5	35 10.93	3.0657	0.0019	2 45 52.2	19.935	0.040	91.2	137 321	2 3390	A5
4383	9.4	35 18.66	3.0620	0.0027	4 16 40.3	19.936	0.039	92.2	321 340	[4 3117]	
4384	8.0	35 45.46	3.0613	0.0029	4 38 36.9	19.940	0.039	90.8	143 222	4 3120	K2
4385	8.7	35 49.24	3.0672	0.0017	2 13 31.3	19.941	0.039	91.2	137 319	1 2556	F8
4386	9.0	11 36 8.88	+3.0647	+0.0023	−3 19 7.7	−19.944	−0.038	90.0	27 128 138	3 3162	F2
4387	8.7	36 40.75	3.0581	0.0037	6 7 44.6	19.948	0.037	90.6	26 141 338	5 3333	G5
4388	8.7	36 46.04	3.0597	0.0034	5 29 11.2	19.949	0.037	91.3	143 337	5 3334	
4389	8.5	36 46.69	3.0576	0.0039	6 23 14.0	19.949	0.036	91.3	145 337	6 3434	K0
4390	9.0	36 55.39	3.0669	0.0019	2 29 13.4	19.950	0.036	91.2	137 319	2 3395	
4391	9.3	11 36 59.73	+3.0644	+0.0024	−3 33 16.9	−19.951	−0.036	91.7	225 321	[3 3163]	
4392	9.0	37 22.61	3.0671	0.0019	2 25 47.1	19.954	0.035	90.0 89.9	25 128[1] 138	2 3397	
4393	8.0	37 26.29	3.0633	0.0027	4 5 38.8	19.955	0.035	90.8	143 222	3 3164	K2
4394	8.5	37 42.30	3.0594	0.0037	5 51 40.8	19.957	0.034	90.6	26 141 338	5 3338	K0
4395	7.2	37 43.87	3.0659	0.0022	2 59 20.3	19.957	0.035	90.6	27 137 321	2 3399	A0
4396	8.3	11 38 19.24	+3.0619	+0.0032	−4 53 7.9	−19.962	−0.034	90.8	145 225	4 3131	K5
4397	9.1	38 20.65	3.0638	0.0028	4 2 20.3	19.963	0.034	90.9	128 138 319	[3 3165]	
4398	6.5	38 48.57	3.0595	0.0039	6 7 15.2	19.966	0.033	91.6	141 321 337	5 3340	
4399	8.0	38 57.95	3.0636	0.0029	4 15 3.4	19.968	0.032	90.3	27 143 222	3 3167	F5
4400	8.5	39 3.79	3.0620	0.0033	5 1 2.9	19.968	0.032	91.3	141 338	4 3132	K0

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4401	9.0	11h 39m 16s.08	+3s.0600	+0s.0038	−6° 0' 11".1	−19".970	−0".032	90.5	26 143 222 225	5° 3342
4402	8.2	39 35.23	3.0645	0.0028	3 57 16.5	19.973	0.031	90.6	25 138 321	3 3169
4403	8.9	39 43.30	3.0644	0.0028	4 2 11.5	19.974	0.031	91.2	137 319	3 3170
4404	9.1	39 58.20	3.0679	0.0020	2 21 30.2	19.976	0.030	90.3	27 137 145 225	[2 3407]
4405	8.2	40 11.26	3.0607	0.0039	5 57 5.0	19.977	0.030	90.6	26 141 337	5 3346
4406	8.3	11 41 1.92	+3.0609	+0.0040	−6 5 0.9	−19.983	−0.028	91.2	141 225 321	5 3349
4407	7.3	41 13.18	3.0680	0.0021	2 26 48.8	19.985	0.028	90.0	25 128 138	2 3410
4408	8.0	41 15.02	3 0636	0.0033	4 47 36.9	19.985	0.028	90.3	27 143 222	4 3137
4409	7.2	41 33.80	3.0667	0.0025	3 11 8.4	19.987	0.027	91.6	137 319 338	2 3411
4410	8.5	41 37.84	3.0650	0.0030	4 8 21.5	19.988	0.027	91.2	143 222 225 321	3 3173
4411	8.0	11 42 3.23	+3.0643	+0.0033	−4 37 29.1	−19.991	−0.026	91.3	145 337	4 3140
4412	8.8	42 14.47	3.0681	0.0022	2 31 48.7	19.992	0.026	90.0	27 128 138	2 3414
4413	8.0	42 25.12	3.0643	0.0033	4 42 24.4	19.993	0.026	90.8	143 222	4 3144
4414	8.3	42 27.03	3.0621	0.0040	5 54 46.2	19.993	0.026	90.6	26 141 338	5 3353
4415	9.4	42 36.69	3.0690	0.0020	2 6 39.9	19.994	0.025	91.6	137 319 340	[1 2570]
4416	9.1	11 42 41.08	+3.0672	+0.0026	−3 8 33.1	−19.995	−0.025	91.2	137 319	[2 3415]
4417	9.4	42 41.63	3.0689	0.0021	2 11 29.9	19.995	0.025	91.5	145 225 321 340	[1 2571]
4418	9.0	42 46.77	3.0627	0.0039	5 41 21.3	19.995	0.025	92.2	319 338	5 3355
4419	7.7	43 19.45	3.0682	0.0024	2 40 59.5	19.999	0.024	90.0	27 128 138	2 3417
4420	8.5	44 0.16	3.0642	0.0037	5 13 37.9	20.003	0.023	90.8	141 225	4 3148
4421	7.5	11 44 8.95	+3.0624	+0.0043	−6 20 21.8	−20.004	−0.022	91.2	26 321 337	6 3456
4422	8.8	44 9.75	3.0683	0.0024	2 45 20.9	20.004	0.022	90.8	25 338	2 3420
4423	9.0	44 22.46	3.0660	0.0032	4 15 1.5	20.005	0.022	90.8	145 225	3 3182
4424	9.0	44 29.38	3.0693	0.0022	2 11 25.2	20.006	0.022	89.8	27 137	1 2572
4425	8.0	44 45.67	3.0660	0.0032	4 17 36.8	20.008	0.021	91.3	145 338	4 3149
4426	8.0	11 45 22.77	+3.0643	+0.0040	−5 39 17.2	−20.011	−0.020	90.8	145 225	5 3367
4427	9.0	45 49.36	3.0654	0.0037	5 2 43.9	20.014	0.019	92.2	321 338	4 3151
4428	6.0	45 55.46	3.0659	0.0036	4 46 37.9	20.014	0.019	92.2	321 337	4 3152
4429	8.5	45 55.65	3.0646	0.0040	5 38 46.5	20.014	0.019	91.3	145 337	5 3370
4430	8.9	46 24.41	3.0667	0.0034	4 19 55.5	20.017	0.018	91.6	145 321 338	4 3154
4431	8.0	11 46 43.63	+3.0657	+0.0038	−5 12 16.7	−20.018	−0.017	91.7	222 319	4 3155
4432	9.4	46 52.90	3.0675	0.0032	3 56 24.4	20.019	0.017	92.2	321 338	[3 3191]
4433	8.9	46 57.10	3.0643	0.0044	6 18 56.8	20.020	0.017	90.8	141 225	6 3467
4434	9.1	47 9.02	3.0652	0.0041	5 43 41.9	20.021	0.016	91.2	136 319	[5 3373]
4435	8.7	47 51.97	3.0657	0.0042	5 40 53.3	20.024	0.015	90.3	129 136	5 3377
4436	8.2	11 48 20.54	+3.0688	+0.0030	−3 19 38.6	−20.026	−0.014	90.0	27 128 138	3 3197
4437	8.8	48 28.79	3.0674	0.0036	4 30 44.0	20.027	0.014	90.9	141 222 225	4 3158
4438	8.8	48 32.59	3.0678	0.0034	4 11 30.1	20.027	0.014	91.6	137 319 321	3 3198
4439	7.0	48 45.25	3.0690	0.0029	3 13 9.3	20.028	0.013	90.3	128 138	2 3433
4440	8.6	49 6.22	3.0685	0.0033	3 48 46.5	20.029	0.013	91.2	137 319	3 3200
4441	9.0	11 49 9.88	+3.0665	+0.0042	−5 37 9.6	−20.030	−0.013	90.3	129 136 145	5 3380
4442	8.7	49 17.23	3.0659	0.0045	6 13 28.9	20.030	0.012	90.9	141 222 225	5 3381
4443	8.7	49 38.50	3.0670	0.0041	5 24 28.3	20.032	0.012	90.3	129 136	5 3382
4444	8.3	50 9.14	3.0698	0.0028	2 53 11.0	20.034	0.011	90.0	27 128 138	2 3438
4445	8.3	50 16.35	3.0697	0.0029	3 2 29.3	20.034	0.010	91.2	137 321	2 3439
4446	9.0	11 50 18.68	+3.0671	+0.0043	−5 39 42.8	−20.034	−0.010	90.8	141 225	5 3385
4447	7.0	50 19.54	3.0692	0.0037	4 34 39.4	20.034	0.010	90.8	143 222	4 3162
4448	8.5	50 34.49	3.0694	0.0032	3 29 25.0	20.035	0.010	90.3	128 138	3 3201
4449	9.1	51 0.95	3.0676	0.0043	5 32 6.6	20.037	0.009	90.3	129 136 145	[5 3388]
4450	9.4	51 30.51	3.0692	0.0035	4 3 15.9	20.038	0.008	04.2	2 Beob.	3 3206

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4451	8.7	11^h 51^m 30^s.71	+3^s.0692	+0^s.0035	−4° 3' 2".0	−20".038	−0".008	90.8	6 Beob.	3° 3207
4452	(9.0)[1]	51 31.14	3.0687	0.0038	4 40 1.9	20.038	0.008	90.8	141 225	4 3168
4453	9.4	51 34.46	3.0708	0.0026	2 13 16.1	20.039	0.008	04.3	2 Beob.	1 2594
4454	6.8	51 54.31	3.0692	0.0036	4 13 35.0	20.040	0.007	90.5	129 136 143 222	3 3210
4455	8.7	52 2.89	3.0698	0.0033	3 34 7.4	20.040	0.007	90.3	128 138	3 3211
4456	8.8	11 52 14.27	+3.0700	+0.0032	−3 24 47.4	−20.041	−0.007	91.2	137 321	3 3212
4457	9.0	52 42.96	3.0693	0.0039	4 36 50.5	20.042	0.006	90.8	141 225	4 3171
4458	9.2	52 53.98	3.0687	0.0044	5 34 13.8	20.042	0.005	91.0	141 145 337	[5 3393]
4459	9.0	52 58.56	3.0681	0.0048	6 24 32.0	20.043	0.005	90.3	129 136	6 3485
4460	6.7	53 0.63	3.0700	0.0035	3 48 57.0	20.043	0.005	90.0	27 128 138	3 3213
4461	9.0	11 53 1.15	+3.0690	+0.0042	−5 12 3.8	−20.043	−0.005	91.2	137 321	4 3174
4462	7.8	53 54.05	3.0689	0.0047	6 5 51.9	20.045	0.003	90.3	129 136	5 3396
4463	8.8	53 55.15	3.0701	0.0038	4 12 54.8	20.045	0.003	91.2	137 321	3 3216
4464	9.1	53 57.88	3.0692	0.0045	5 38 13.3	20.045	0.003	90.8	141 225	[5 3397]
4465	7.3	54 7.29	3.0711	0.0030	2 45 55.6	20.045	0.003	90.0	27 128 138	2 3446
4466	8.3	11 54 38.10	+3.0709	+0.0034	−3 23 52.1	−20.047	−0.002	91.2	143 222 321	3 3217
4467	8.6	55 21.03	3.0708	0.0037	3 59 14.5	20.048	0.000	90.0	27 128 138	3 3218
4468	8.7	55 31.12	3.0706	0.0040	4 33 50.0	20.048	0.000	90.3	129 136	4 3181
4469	8.8	55 34.72	3.0716	0.0029	2 22 28.0	20.048	0.000	90.8	143 222	2 3449
4470	9.0	55 48.91	3.0710	0.0037	3 55 44.4	20.049	0.000	90.8	143 222	3 3220
4471	8.7	11 56 1.74	+3.0715	+0.0032	−3 0 54.3	−20.049	+0.001	91.6	141 321 331	2 3450
4472	9.4	56 18.69	3.0714	0.0036	3 35 44.2	20.049	0.001	90.8	143 222	[3 3223]
4473	8.8	56 19.22	3.0714	0.0036	3 38 29.6	20.049	0.002	90.0	27 128 138	3 3224
4474	8.2	56 47.75	3.0708	0.0047	5 43 31.0	20.050	0.002	90.3	129 136	5 3403
4475	8.9	57 11.95	3.0712	0.0045	5 16 51.4	20.051	0.003	90.8	141 225	5 3405
4476	7.8	11 57 38.52	+3.0713	+0.0049	−5 54 30.6	−20.051	+0.004	91.2	132 321	5 3406
4477	8.7	57 51.83	3.0717	0.0042	4 42 34.0	20.051	0.004	90.3	129 136	4 3189
4478	7.7	58 6.34	3.0722	0.0033	2 50 10.8	20.051	0.005	90.0	27 128 138	2 3453
4479	7.2	58 28.51	3.0720	0.0044	4 55 20.1	20.052	0.006	90.8	141 143 222 225	4 3192
4480	8.9	58 45.82	3.0719	0.0052	6 22 19.0	20.052	0.006	91.2	132 321	6 3501
4481	9.0	11 58 51.54	+3.0722	+0.0040	−4 12 21.3	−20.052	+0.007	90.6	129 136 145 234	3 3229
4482	8.9	58 52.38	3.0723	0.0037	3 33 31.3	20.052	0.007	90.3	128 138	3 3230
4483	8.8	59 8.33	3.0725	0.0030	2 16 28.9	20.052	0.007	90.3	27 141 225	2 3454
4484	8.7	59 37.72	3.0725	0.0046	5 13 0.8	20.052	0.008	91.2	129 331	4 3199
4485	8.9	59 44.49	3.0726	0.0048	5 38 32.0	20.052	0.008	90.2	127 132	5 3413
4486	9.3	11 59 53.70	+3.0727	+0.0037	−3 28 48.2	−20.052	+0.008	90.3	128 138	[3 3232]
4487	9.3	59 54.97	3.0727	0.0039	3 46 11.7	20.052	0.008	92.2	331 335	[3 3233]
4488	6.7	12 0 27.69	3.0730	0.0047	5 17 20.9	20.052	0.010	90.8	145 225	5 3416
4489	8.5	0 35.19	3.0730	0.0046	5 7 54.7	20.052	0.010	92.2	331 335	4 3203
4490	9.4	0 36.40	3.0729	0.0038	3 35 54.9	20.052	0.010	90.8	143 222	[3 3235]
4491	8.0	12 0 41.51	+3.0731	+0.0047	−5 17 58.6	−20.052	+0.010	91.8	234 335	5 3419
4492	8.8	0 43.64	3.0732	0.0051	5 58 59.3	20.052	0.010	90.2	127 132	5 3420
4493	6.5	0 52.56	3.0729	0.0033	2 34 27.4	20.052	0.010		**Fund. Kat.**	2 3460
4494	9.4	0 57.19	3.0731	0.0039	3 43 8.3	20.052	0.011	90.8	145 225	[3 3236]
4495	8.7	1 43.92	3.0738	0.0052	6 8 36.6	20.051	0.012	90.2	127 132	5 3422
4496	9.0	12 1 47.36	+3.0733	+0.0036	−3 3 36.2	−20.051	+0.012	90.3	128 138	2 3463
4497	8.7	1 50.98	3.0736	0.0044	4 30 32.0	20.051	0.012	90.8	145 225	4 3207
4498	7.8	2 5.99	3.0739	0.0049	5 31 42.0	20.051	0.013	90.8	145 225	5 3423
4499	9.5	2 6.36	3.0735	0.0040	3 51 6.1	20.051	0.013	92.2	331 335	[3 3238]
4500	7.0	2 7.46	3.0741	0.0053	6 12 34.0	20.051	0.013	91.6	234 236a 335	5 3424

[1] Dupl. praec.; Com. 6" 10^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4501	9.0	$12^h\ 2^m\ 30^s.79$	$+3^s.0741$	$+0^s.0048$	$-5°\ 19'\ 44''.3$	$-20''.051$	$+0''.014$	90.3	129 136	5° 3429
4502	9.3	2 41.22	3.0743	0.0051	5 55 18.2	20.051	0.014	90.2	127 132	[5 3430]
4503	8.3	2 41.45	3.0734	0.0034	2 34 22.8	20.051	0.014	90.9	143 222 231	2 3466
4504	8.8	2 46.78	3.0740	0.0044	4 25 48.8	20.051	0.014	90.8	141 231	4 3211
4505	7.2	3 4.90	3.0739	0.0040	3 43 50.4	20.050	0.015	90.3	128 138	3 3239
4506	8.6	12 3 20.47	+3.0740	+0.0041	−3 46 53.1	−20.050	+0.015	90.8	143 222	3 3240
4507	9.0	3 21.06	3.0737	0.0036	2 56 7.2	20.050	0.015	91.3	145 331	2 3469
4508	9.2	3 26.67	3.0745	0.0048	5 11 59.8	20.050	0.015	91.3	141 331	[4 3214]
4509	8.6	3 27.60	3.0749	0.0054	6 17 49.2	20.050	0.015	94.9	3 Beob.	6 3509
4510	9.2	3 30.71	3.0746	0.0049	5 17 9 6	20.050	0.016	90.9	129 136 336	[5 3432]
4511	8.8	12 3 47.11	+3.0740	+0.0039	−3 20 34.9	−20.049	+0.016	90.6	128 138 234	3 3242
4512	8.5	3 52.09	3.0745	0.0045	4 35 30.4	20.049	0.016	90.9	143 222 225	4 3216
4513	6.8	4 40.38	3.0749	0.0046	4 40 10.8	20.048	0.018	90.8	129 136 234 236[a]	4 3219
4514	9.4	4 58.47	3.0745	0.0041	3 36 20.2	20.047	0.018	91.0	143 222 225 231	[3 3244]
4515	9.1	5 0.83	3.0757	0.0052	5 44 16.2	20.047	0.018	90.2	127 132	[5 3438]
4516	9.7	12 5 28.00	+3.0744	+0.0038	−3 3 54.8	−20.046	+0.019	90.9	128 138 331	[2 3473]
4517	9.0	5 33.72	3.0751	0.0044	4 11 26.9	20.046	0.020	90.8	141 231	3 3246
4518	8.8	5 45.40	3.0742	0.0036	2 35 4.7	20.046	0.020	90.8	143 222	2 3474
4519	8.2	6 0.66	3.0764	0.0054	5 59 44.6	20.045	0.020	90.2	127 132	5 3442
4520	9.4	6 5.25	3.0748	0.0040	3 25 16.2	20.045	0.021	91.3	145 331	[3 3247]
4521	8.0	12 6 12.09	+3.0761	+0.0051	−5 21 59.5	−20.045	+0.021	90.3	129 136	5 3444
4522	6.8	6 14.34	3.0741	0.0034	2 8 25.7	20.045	0.021	90.8	145 225	1 2632
4523	6.7	6 14.90	3.0748	0.0039	3 13 13.9	20.045	0.021	90.8	141 231	2 3478
4524	9.4	6 53.61	3.0772	0.0056	6 19 52.1	20.043	0.022	90.5	129 136 145 231	[6 3522]
4525	9.0	6 59.93	3.0749	0.0039	3 5 21.2	20.043	0.022	90.3	128 138	2 3479
4526	7.8	12 7 6.44	+3.0755	+0.0043	−3 50 42.6	−20.042	+0.023	91.1	141 225 234 236[a]	3 3249
4527	7.3	7 25.65	3.0746	0.0036	2 32 26.9	20.042	0.023	90.6	141 143 222	2 3481
4528	8.5	7 48.15	3.0777	0.0056	6 14 54.8	20.040	0.024	90.2	127 132	5 3451
4529	9.3	8 9.93	3.0751	0.0038	2 49 31.8	20.039	0.025	90.5	128 138 145 225	[2 3484]
4530	9.1	8 40.80	3.0780	0.0055	5 56 28.3	20.038	0.026	90.6	129 136 231	[5 3453]
4531	6.9	12 9 8.11	+3.0775	+0.0051	−5 9 50.6	−20.036	+0.027	90.2	127 132	4 3235
4532	var.[1]	9 28.74	3.0780	0.0053	5 28 46.8	20.035	0.027	90.7	127 132 222 225	5 3456
4533	8.8	9 31.00	3.0787	0.0056	6 7 32.7	20.035	0.027	90.3	129 136 141	5 3457
4534	8.8	10 14.02	3.0768	0.0045	3 52 8.9	20.032	0.029	90.3	128 138	3 3255
4535	8.5	10 25.62	3.0784	0.0053	5 22 45.8	20.031	0.029	90.7	127 143 222 225	5 3459
4536	8.0	12 10 44.45	+3.0789	+0.0054	−5 36 9.3	−20.030	+0.030	90.3	129 136	5 3463
4537	9.0	10 58.54	3.0779	0.0049	4 37 5.9	20.029	0.030	90.8	141 145 225 231	4 3239
4538	8.6	10 59.92	3.0755	0.0038	2 27 27.2	20.029	0.030	90.3	128 138	2 3487
4539	8.2	11 8.47	3.0771	0.0046	3 53 42.9	20.028	0.030	90.9	143 222 231	3 3257
4540	7.8	11 8.83	3.0758	0.0039	2 40 39.1	20.028	0.030	90.8	143 222	2 3488
4541	9.2	12 11 11.90	+3.0763	+0.0042	−3 10 41.7	−20.028	+0.031	90.8	141 225	[2 3489]
4542	8.1	11 14.18	3.0788	0.0053	5 17 22.6	20.028	0.031	90.8	127 132 234 236[a]	5 3465
4543	8.0	11 36.51	3.0753	0.0037	2 11 0.7	20.026	0.031	91.3	231 234 236[a]	1 2639
4544	8.7	12 17.80	3.0762	0.0040	2 44 44.2	20.023	0.033	90.3	128 138	2 3492
4545	9.1	12 34.53	3.0801	0.0056	5 44 37.4	20.022	0.033	90.3	129 136 145	5 3467
4546	8.2	12 12 45.77	+3.0804	+0.0057	−5 52 27.4	−20.021	+0.034	90.2	127 132	5 3468
4547	7.5	13 1.33	3.0772	0.0044	3 23 57.3	20.020	0.034	97.9	2 Beob.	3 3262
4548	6.8	13 1.72	3.0772	0.0044	3 23 38.6	20.020	0.034	93.5	6 Beob.	3 3263
4549	8.4	13 15.73	3.0788	0.0050	4 28 18.9	20.019	0.035	90.3	129 136	4 3247
4550	9.0	13 25.93	3.0775	0.0045	3 30 45.8	20.018	0.035	90.9	143 222 225	3 3264

[1] Z. 127 $9^m.5$ Z. 225 $9^m.7$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4551	8.3	12h 13m 26s.73	+3s.0761	+0s.0039	−2° 27′ 59″.6	−20″.018	+0″.035	90.3	128 138	2° 3494
4552	9.0	13 30.27	3.0811	0.0059	6 5 41.2	20.017	0.035	92.2	321 331	5 3471
4553	8.9	13 35.46	3.0812	0.0059	6 7 14.8	20.017	0.035	91.7	225 321	5 3472
4554	8.3	14 6.06	3.0767	0.0041	2 45 46.8	20.014	0.036	91.7	231 321	2 3497
4555	8.8	14 16.92	3.0803	0.0054	5 11 45.0	20.013	0.037	91.8	234 321	4 3250
4556	8.8	12 14 29.45	+3.0805	+0.0055	−5 17 42.9	−20.012	+0.037	92.2	331 336	5 3475
4557	7.3	15 8.74	3.0788	0.0048	3 57 17.8	20.008	0.038	91.6	231 234 236ª 336	3 3267
4558	8.7	15 15.70	3.0821	0.0059	6 0 7.4	20.008	0.039	92.2	321 331	5 3476
4559	8.0	15 32.01	3.0782	0.0046	3 26 16.1	20.006	0.039	90.7	148 150 231	3 3268
4560	9.0	16 30.63	3.0808	0.0054	4 49 29.5	20.000	0.041	90.8	146 225	4 3258
4561	9.0	12 16 35.68	+3.0822	+0.0058	−5 36 44.0	−20.000	+0.041	90.3	129 136	5 3483
4562	7.7	16 42.99	3.0792	0.0048	3 49 49.8	19.999	0.041	91.0	148 150 331	3 3271
4563	9.0	17 13.76	3.0766	0.0040	2 13 16.6	19.995	0.042	90.3	128 138	1 2657
4564	9.1	17 21.09	3.0800	0.0050	4 8 47.3	19.995	0.043	91.2	146 222 225 321	[3 3273]
4565	8.9	17 33.03	3.0812	0.0054	4 45 15.2	19.993	0.043	90.8	141 231	4 3261
4566	8.5	12 17 47.73	+3.0822	+0.0056	−5 13 33.2	−19.992	+0.044	90.2	127 132	4 3265
4567	9.0	17 53.13	3.0819	0.0055	5 1 52.5	19.991	0.044	90.3	129 136	4 3266
4568	9.0	18 2.64	3.0807	0.0052	4 21 24.6	19.990	0.044	90.8	141 225	4 3267
4569	9.3	18 2.94	3.0794	0.0048	3 37 2.4	19.990	0.044	90.8	146 231	3 3275
4570	6.5	18 6.80	3.0809	0.0052	4 25 8.9	19.990	0.044	91.0	148 150 331	4 3268
4571	9.0	12 18 14.64	+3.0844	+0.0062	−6 15 56.0	−19.989	+0.044	90.2	127 132	6 3558
4572	7.2	18 19.26	3.0831	0.0059	5 33 56.9	19.988	0.045	91.7	222 321	5 3487
4573	8.9	18 28.15	3.0786	0.0046	3 7 26.2	19.987	0.045	90.3	128 138	2 3510
4574	9.4	19 1.48	3.0833	0.0058	5 25 50.3	19.983	0.046	90.3	136 141	[5 3488]
4575	9.4	19 23.35	3.0785	0.0045	2 56 41.6	19.980	0.047	90.8	145 225	[2 3512]
4576	8.5	12 19 36.81	+3.0829	+0.0057	−5 5 37.5	−19.979	+0.047	90.2	127 132	4 3273
4577	8.0	19 51.76	3.0801	0.0049	3 39 54.4	19.977	0.047	91.1	5 Beob.	3 3280
4578	9.4	19 56.18	3.0798	0.0048	3 29 19.1	19.976	0.048	90.5	128 138 146 222	[3 3281]
4579	9.1	20 8.47	3.0822	0.0055	4 37 4.3	19.975	0.048	90.3	129 136	4 3274
4580	9.5	20 8.68	3.0808	0.0051	3 57 7.9	19.975	0.048	91.3	148 231 321	[3 3283]
4581	9.0	12 20 13.17	+3.0823	+0.0055	−4 39 26.9	−19.974	+0.048	90.8	141 225	4 3275
4582	9.3	20 18.16	3.0844	0.0060	5 39 47.2	19.973	0.048	90.9	127 132 331	[5 3492]
4583	9.0	20 34.17	3.0781	0.0044	2 33 20.6	19.971	0.049	90.3	128 138	2 3517
4584	8.0	20 41.62	3.0818	0.0053	4 18 25.3	19.970	0.049	90.8	148 150 222 231	4 3276
4585	8.0	20 59.80	3.0811	0.0051	3 55 37.0	19.968	0.050	91.0	148 150 225 321	3 3289
4586	8.8	12 21 19.55	+3.0847	+0.0060	−5 29 11.9	−19.965	+0.050	90.2	127 132	5 3497
4587	7.8	21 39.01	3.0838	0.0058	5 2 16.7	19.963	0.051	90.9	5 Beob.	4 3281
4588	8.5	21 49.80	3.0850	0.0060	5 30 30.1	19.961	0.051	90.3	129 136	5 3500
4589	8.0	21 51.70	3.0793	0.0047	2 58 42.4	19.961	0.051	91.1	5 Beob.	2 3519
4590	9.4	21 52.08	3.0859	0.0062	5 54 39.5	19.961	0.051	90.8	141 225	[5 3501]
4591	8.9	12 21 59.99	+3.0861	+0.0063	−5 58 26.1	−19.960	+0.052	90.2	127 132	5 3503
4592	8.3	22 2.29	3.0788	0.0046	2 44 0.3	19.959	0.052	90.4	146 152	2 3520
4593	9.2	22 11.78	3.0788	0.0045	2 41 4.1	19.958	0.052	91.3	146 331	[2 3523]
4594	9.5	22 23.70	3.0815	0.0052	3 50 47.9	19.956	0.052	91.3	146 331	[3 3296]
4595	9.0	22 25.29	3.0778	0.0043	2 14 10.5	19.956	0.052	91.3	148 331	1 2669
4596	9.1	12 22 28.81	+3.0790	+0.0046	−2 45 19.9	−19.956	+0.053	92.2	321 337	2 3524
4597	**6.3**	**22 43.66**	**3.0821**	**0.0053**	**4 3 43.1**	**19.954**	**0.053**		**Fund. Kat.**	**3 3298**
4598	9.1	22 48.04	3.0823	0.0053	4 7 27.6	19.953	0.053	91.4	234 236	3 3299
4599	8.9	22 54.93	3.0876	0.0065	6 22 11.0	19.952	0.054	90.3	129 136	6 3578
4600	8.8	23 18.13	3.0779	0.0044	2 12 22.9	19.948	0.054	91.0	148 150 337	1 2671

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
4601	9.0	12h 23m 23s.80	+3s.0848	+0s.0058	−5° 3' 3".1	−19".948	+0".054	90.2	127 132	4° 3288	
4602	8.3	23 36.11	3.0817	0.0052	3 44 11.1	19.946	0.055	90.8	145 231	3 3302	Fo
4603	7.8	23 42.71	3.0872	0.0064	5 58 39.5	19.945	0.055	90.3	129 136	5 3506	K2
4604	8.8	24 1.48	3.0814	0.0051	3 33 20.2	19.942	0.056	90.9	143 222 225	3 3304	Mb
4605	8.5	24 36.99	3.0796	0.0047	2 45 46.7	19.937	0.057	90.9	145 225 230	2 3528	G5
4606	7.5	12 24 53.80	+3.0866	+0.0062	−5 28 6.8	−19.934	+0.057	90.2	127 132	5 3513	F2
4607	9.0	25 0.42	3.0889	0.0066	6 19 52.2	19.933	0.058	90.3	129 136	6 3584	Go
4608	9.5	25 3.83	3.0836	0.0055	4 16 57.8	19.932	0.058	90.9	143 222 227	[4 3292]	
4609	8.7	25 14.99	3.0868	0.0062	5 28 37.2	19.931	0.058	90.7	127 230	5 3516	K5
4610	9.0	25 38.49	3.0829	0.0054	3 53 32.0	19.927	0.059	90.8	145 225	3 3308	F8
4611	6.7	12 25 42.34	+3.0819	+0.0052	−3 30 30.7	−19.926	+0.059	90.7	148 150 231	3 3309	Ko
4612	9.0	25 59.37	3.0853	0.0058	4 46 5.6	19.923	0.060	90.3	129 136	4 3294	G5
4613	6.3	26 30.20	3.0849	0.0057	4 30 4.1	19.918	0.060	91.0	143 222 225 234	4 3296	Ko
4614	8.6	26 33.46	3.0813	0.0050	3 9 38.2	19.918	0.060	90.8	145 230	2 3531	F5
4615	8.4	26 48.18	3.0870	0.0061	5 14 13.0	19.915	0.061	90.8	7 Beob.	4 3297	K2
4616	8.5	12 27 5.47	+3.0826	+0.0053	−3 36 14.7	−19.912	+0.062	91.1	5 Beob.	3 3310	Go
4617	9.1	27 21.84	3.0882	0.0063	5 32 45.7	19.909	0.062	90.3	129 136 148	[5 3521]	F8
4618	9.0	27 54.20	3.0872	0.0061	5 6 35.5	19.904	0.063	90.2	127 132	4 3299	Fo
4619	9.4	28 9.58	3.0835	0.0054	3 46 27.7	19.901	0.064	90.6	143 146 148 230	[3 3312]	
4620	9.0	28 20.94	3.0901	0.0066	6 0 24.2	19.899	0.064	90.9	136 227 231	5 3525	
4621	8.5	12 28 39.83	+3.0864	+0.0059	−4 41 25.5	−19.895	+0.065	90.9	145 225 227	4 3301	F5
4622	7.8	28 46.81	3.0910	0.0068	6 13 39.2	19.894	0.065	90.2	127 132	5 3526	F8
4623	8.8	28 53.39	3.0881	0.0063	5 14 46.8	19.893	0.065	90.3	129 136	4 3303	K2
4624	8.0	29 2.37	3.0842	0.0056	3 53 39.1	19.891	0.065	90.9	143 222 225	3 3313	F2
4625	8.0	29 4.75	3.0821	0.0052	3 10 5.2	19.891	0.065	91.2	7 Beob.	2 3533	G5
4626	8.1	12 29 44.67	+3.0866	+0.0060	−4 36 12.3	−19.883	+0.067	90.3	129 136 146 152	4 3307	A5
4627	9.1	29 52.96	3.0914	0.0068	6 7 55.7	19.882	0.067	90.8	127 132 148 337	[5 3530]	Ko
4628	8.7	30 12.94	3.0835	0.0054	3 30 54.4	19.878	0.068	90.7	148 150 230	3 3315	F5
4629	8.0	30 19.38	3.0819	0.0052	2 59 41.2	19.877	0.068	91.0	132 222 225 230	2 3540	K5
4630	9.1	30 31.35	3.0804	0.0049	2 27 45.8	19.875	0.068	90.7	5 Beob.	2 3541	
4631	8.3	12 30 35.38	+3.0804	+0.0049	−2 27 56.0	−19.874	+0.068	90.9	145 225 227	2 3542	F5
4632	8.3	31 24.62	3.0903	0.0065	5 30 54.3	19.864	0.070	90.2	127 132	5 3534	A3
4633	9.0	31 30.38	3.0883	0.0062	4 52 19.1	19.863	0.070	90.7	5 Beob.	4 3312	F8
4634	5.9	31 38.28	3.0897	0.0064	5 16 50.4	19.861	0.071	90.3	129 136	5 3535	Ao
4635	9.0	31 38.41	3.0906	0.0066	5 32 25.7	19.861	0.071	90.2	127 132	5 3536	F5
4636	8.8	12 32 0.52	+3.0861	+0.0058	−4 6 6.2	−19.857	+0.071	91.0	145 225 230 231	3 3322	K2
4637	8.6	32 24.04	3.0827	0.0053	3 1 10.6	19.852	0.072	91.0	145 225 227 231	2 3546	G5
4638	9.0	33 8.51	3.0842	0.0055	3 25 8.8	19.843	0.073	90.9	143 222 230	3 3325	K2
4639	9.2	33 10.53	3.0889	0.0063	4 48 27.6	19.842	0.073	90.2	127 132	[4 3317]	Ko
4640	(8.5)[1]	33 32.83	3.0890	0.0063	4 46 28.0	19.838	0.074	91.3	5 Beob.	4 3319	Ko
4641	6.9	12 33 34.81	+3.0858	+0.0058	−3 49 25.1	−19.837	+0.074	91.0	5 Beob.	3 3329	K5
4642	8.5	33 39.23	3.0821	0.0052	2 45 32.7	19.836	0.074	91.7	227 331	2 3549	A3
4643	9.0	34 4.59	3.0900	0.0064	4 59 35.2	19.831	0.075	90.4	146 152[2]	4 3321	Ko
4644	9.1	34 17.27	3.0854	0.0057	3 38 33.4	19.828	0.076	91.7	227 331	[3 3333]	Go
4645	8.6	34 20.60	3.0950	0.0072	6 22 45.1	19.827	0.076	91.0	146 152 331	6 3617	F2
4646	6.5	12 34 21.11	+3.0921	+0.0067	−5 33 3.7	−19.827	+0.076	91.4	234 236* 236	5 3542	K2
4647	7.8	34 45.50	3.0816	0.0051	2 30 58.8	19.822	0.076	91.8	230 335	2 3552	Ko
4648	9.0	34 48.73	3.0810	0.0051	2 21 5.5	19.821	0.076	91.7	227 331	2 3553	F5
4649	8.5	34 59.37	3.0920	0.0067	5 26 3.8	19.819	0.077	90.7	148 150 230	5 3543	K5
4650	9.1	35 7.93	3.0935	0.0069	5 47 58.0	19.817	0.077	90.4	146 152	5 3545	K2

[1] Dupl. praec.; Com. 9" 9m   [2] $\delta \frac{3}{4}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4651	9.0	12h 35m 23s.40	+3s.0808	+0s.0050	−2° 14′ 59″.3	−19″.813	+0″.078	90.8	145 225	1° 2705
4652	9.2	35 52.35	3.0881	0.0061	4 12 26.7	19.807	0.079	91.1	148 150 231 335	[3 3336]
4653	8.5	36 16.90	3.0854	0.0057	3 26 39.5	19.801	0.079	91.1	6 Beob.	3 3337
4654	8.3	36 38.06	3.0946	0.0070	5 51 54.2	19.796	0.080	90.2	127 132	5 3550
4655	8.9	36 41.86	3.0809	0.0051	2 12 10.0	19.796	0.080	91.0	145 227 230 231	1 2710
4656	8.1	12 36 50.49	+3.0902	+0.0064	−4 40 16.9	−19.794	+0.081	90.3	129 136	4 3331
4657	9.1	37 5.75	3.0918	0.0066	5 3 18.7	19.790	0.081	90.9	127 132 335	4 3333
4658	8.0	37 26.82	3.0914	0.0065	4 55 5.5	19.785	0.082	90.9	5 Beob.	4 3335
4659	9.2	37 47.68	3.0897	0.0063	4 24 51.4	19.780	0.083	91.3	145 227 230 331	[4 3339]
4660	7.5	37 51.94	3.0861	0.0058	3 29 45.2	19.779	0.083	97.3	4 Beob.	3 3341
4661	9.0	12 38 4.29	+3.0820	+0.0053	−2 24 49.3	−19.776	+0.083	91.2	143 222 225 335	2 3563
4662	9.2	38 14.39	3.0811	0.0051	2 9 51.3	19.774	0.083	91.0	146 152 227 331	1 2719
4663	8.8	38 15.53	3.0817	0.0052	2 19 35.9	19.773	0.083	90.7	148 150 231	2 3564
4664	9.0	38 41.14	3.0879	0.0060	3 51 44.4	19.767	0.084	90.8	6 Beob.	3 3342
4665	8.6	39 1.25	3.0903	0.0064	4 25 44.0	19.762	0.085	90.9	127 132 335	4 3344
4666	6.8	12 39 3.31	+3.0818	+0.0053	−2 17 40.9	−19.762	+0.085	90.8	145 225	2 3567
4667	8.9	39 32.11	3.0814	0.0052	2 9 37.2	19.754	0.086	90.9	145 225 227	1 2721
4668	8.8	39 35.04	3.0953	0.0070	5 37 22.8	19.754	0.086	90.9	127 132 335	5 3561
4669	8.8	39 52.31	3.0918	0.0066	4 43 26.4	19.749	0.086	91.0	143 222 230 231	4 3348
4670	8.9	39 58.34	3.0988	0.0075	6 24 24.7	19.748	0.087	90.3	129 136	6 3638
4671	8.2	12 40 8.52	+3.0863	+0.0059	−3 20 13.3	−19.745	+0.087	90.7	148 150 225	3 3348
4672	8.0	40 8.63	3.0863	0.0059	3 20 28.8	19.745	0.087	91.1	148 150 225 335	3 3349
4673	8.7	40 16.48	3.0914	0.0065	4 34 43.8	19.743	0.087	90.2	127 132	4 3350
4674	7.3	40 22.83	3.0902	0.0064	4 15 51.0	19.742	0.087	90.9	5 Beob.	4 3351
4675	9.0	40 46.21	3.0830	0.0054	2 29 4.1	19.736	0.088	90.4	146 152	2 3573
4676	9.5	12 40 59.69	+3.0908	+0.0064	−4 21 22.2	−19.732	+0.089	91.1	6 Beob.	[4 3353]
4677	9.0	41 22.70	3.0873	0.0060	3 28 19.1	19.726	0.089	90.9	129 136 335	3 3356
4678	8.8	42 22.36	3.0957	0.0070	5 20 40.6	19.710	0.092	90.2	127 132	5 3568
4679	**6.5**	**42 23.27**	**3.0975**	**0.0072**	**5 45 16.1**	**19.710**	**0.092**		**Fund. Kat.**	**5 3569**
4680	8.0	42 25.01	3.0905	0.0064	4 8 4.8	19.710	0.091	90.9	129 136 335	3 3360
4681	8.8	12 43 1.18	+3.0963	+0.0071	−5 24 33.5	−19.700	+0.093	90.3	129 136	5 3571
4682	8.5	43 59.42	3.0946	0.0069	4 53 53.5	19.684	0.095	91.0	6 Beob.	4 3359
4683	8.7	44 1.46	3.0868	0.0060	3 9 13.9	19.683	0.094	91.8	230 335	2 3580
4684	8.9	44 4.97	3.0963	0.0071	5 16 41.1	19.682	0.095	90.9	136 227 231	5 3577
4685	8.8	44 27.05	3.0934	0.0067	4 35 5.2	19.676	0.095	90.4	146 152	4 3360
4686	9.0	12 44 28.42	+3.0977	+0.0072	−5 31 55.8	−19.676	+0.096	90.2	127 132	5 3578
4687	7.5	44 32.35	3.1014	0.0077	6 20 5.0	19.675	0.096	91.3	150 230 335	6 3656
4688	8.9	45 30.78	3.1000	0.0075	5 54 56.7	19.658	0.098	90.3	129 136	5 3581
4689	8.5	45 35.30	3.0873	0.0060	3 9 45.3	19.657	0.097	91.2	7 Beob.	2 3587
4690	9.3	45 37.72	3.0935	0.0068	4 30 9.7	19.656	0.098	91.0	146 152 331	[4 3365]
4691	8.5	12 45 45.10	+3.0983	+0.0073	−5 30 57.0	−19.654	+0.099	91.7	227 337	5 3582
4692	8.8	46 3.84	3.1027	0.0078	6 24 2.5	19.648	0.099	90.2	127 132	6 3665
4693	9.1	46 7.03	3.0920	0.0066	4 8 14.6	19.647	0.099	91.6	227 231 335	3 3367
4694	9.0	46 9.71	3.0837	0.0057	2 21 22.0	19.647	0.098	91.3	5 Beob.	2 3589
4695	9.0	46 23.94	3.1000	0.0075	5 47 51.7	19.643	0.099	91.0	146 152 331	5 3584
4696	8.4	12 46 30.04	+3.0991	+0.0074	−5 35 20.0	−19.641	+0.100	90.3	129 136	5 3585
4697	9.0	46 56.06	3.0863	0.0060	2 51 5.8	19.633	0.100	90.8	148 231	2 3591
4698	8.2	47 2.46	3.0992	0.0074	5 32 42.9	19.631	0.101	90.3	127 132 136	5 3588
4699	8.5	47 10.51	3.0958	0.0070	4 50 17.0	19.629	0.101	90.8	129 230	4 3368
4700	8.8	47 12.35	3.0878	0.0061	3 9 10.5	19.628	0.101	91.7	227 331	2 3592

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4701	8.8	12^h 47^m 16^s.73	+3^s.0943	+0^s.0068	−4° 30' 38".0	−19".627	+0".101	91.0	146 152 337	4° 3369
4702	9.1	47 49.60	3.0901	0.0064	3 35 4.2	19.617	0.102	91.8	231 335	3 3371
4703	9.1	47 55.82	3.0993	0.0074	5 28 40.2	19.615	0.102	92.2	331[1] 335	[5 3590]
4704	6.2	48 4.03	3.0874	0.0061	3 0 34.8	19.613	0.102	90.7	148 150 230	2 3593
4705	8.8	48 16.55	3.0945	0.0069	4 27 35.1	19.609	0.103	90.8	146 152 227 230	4 3373
4706	6.7	12 48 28.68	+3.0908	+0.0065	−3 40 47.3	−19.605	+0.103	91.0	6 Beob.	3 3373
4707	8.9	50 7.72	3.0883	0.0062	3 3 53.3	19.574	0.106	90.7	146 152 231	2 3596
4708	7.3	50 13.60	3.0929	0.0067	3 57 50.4	19.572	0.106	91.3	5 Beob.	3 3375
4709	7.9	50 32.67	3.0881	0.0062	3 0 33.7	19.566	0.107	91.3	5 Beob.	2 3597
4710	8.9	50 34.50	3.0957	0.0070	4 29 30.1	19.566	0.107	91.3	227 231	4 3377
4711	(7.2)[2]	12 51 5.54	+3.0951	+0.0069	−4 19 20.9	−19.556	+0.108	90.4	146 152	4 3379
4712	8.9	51 12.68	3.0979	0.0072	4 52 1.0	19.554	0.108	90.3	129 136	4 3380
4713	9.0	51 20.34	3.0932	0.0067	3 56 33.8	19.551	0.109	91.2	227 230	3 3378
4714	8.5	51 20.55	3.1028	0.0077	5 47 6.9	19.551	0.109	90.2	127 132	5 3600
4715	9.0	51 22.65	3.0885	0.0063	3 2 51.9	19.550	0.109	91.3	5 Beob.	2 3601
4716	8.5	12 51 39.97	+3.0945	+0.0069	−4 9 48.7	−19.545	+0.109	91.3	136 231 336	3 3379
4717	9.0	52 26.79	3.1014	0.0076	5 24 7.1	19.529	0.111	90.9	127 132 335	5 3602
4718	8.8	52 26.81	3.0845	0.0059	2 13 10.3	19.529	0.110	90.4	146 152	1 2745
4719	8.6	52 29.35	3.1038	0.0078	5 51 4.0	19.528	0.111	90.7	148 150 230	5 3603
4720	8.8	52 41.07	3.0981	0.0072	4 46 10.1	19.525	0.111	91.1	8 Beob.	4 3384
4721	9.0	12 53 16.17	+3.1024	+0.0076	−5 30 23.7	−19.513	+0.113	90.4	146 152	5 3604
4722	7.0	53 24.97	3.1074	0.0081	6 24 29.5	19.510	0.113	90.9	127 132 335	6 3705
4723	7.2	53 30.99	3.0855	0.0060	2 21 46.9	19.508	0.113	90.7	148 150 230	2 3605
4724	8.5	53 40.96	3.0889	0.0064	2 59 31.6	19.505	0.113	90.4	146 152	2 3606
4725	8.5	53 45.11	3.0911	0.0066	3 23 33.1	19.503	0.113	91.3	227 230 231	3 3383
4726	8.9	12 53 48.86	+3.0897	+0.0064	−3 7 0.7	−19.502	+0.113	91.4	234 235 236[a] 236	2 3607
4727	7.3	53 49.68	3.1030	0.0077	5 33 2.0	19.502	0.114	90.2	127 132	5 3605
4728	8.0	54 13.72	3.0966	0.0071	4 21 59.9	19.493	0.114	90.3	129 136	4 3390
4729	6.2	54 30.40	3.0907	0.0066	3 16 21.5	19.488	0.115	91.0	148 150 331	3 3384
4730	8.6	54 35.65	3.0942	0.0069	3 53 23.4	19.486	0.115	90.9	129 136 335	3 3385
4731	6.3	12 55 26.94	+3.0886	+0.0064	−2 49 51.4	−19.468	+0.116	91.0	148 230 231	2 3609
4732	9.1	55 49.68	3.0999	0.0074	4 49 32.6	19.460	0.117	90.6	127 132 227	[4 3395]
4733	9.1	56 10.68	3.0937	0.0069	3 42 30.7	19.453	0.118	91.3	148 231[1] 335	[3 3390]
4734	9.2	56 39.24	3.0886	0.0064	2 46 51.9	19.443	0.119	90.9	146 227 230[1]	[2 3614]
4735	9.1	57 17.34	3.0927	0.0068	3 27 44.9	19.429	0.120	90.7	148 150 230	3 3393
4736	9.2	12 57 20.05	+3.1004	+0.0075	−4 47 4.3	−19.428	+0.120	91.1	146 152 231 335	[4 3402]
4737	8.8	57 22.09	3.0964	0.0071	4 5 49.2	19.427	0.120	90.3	129 136	3 3395
4738	8.9	57 34.46	3.1097	0.0083	6 21 22.0	19.423	0.121	90.2	127 132	6 3721
4739	8.5	57 35.90	3.0964	0.0071	4 4 18.9	19.422	0.121	91.0	6 Beob.	3 3396
4740	8.8	57 36.92	3.1076	0.0081	5 59 1.7	19.422	0.121	91.2	227 230	5 3616
4741	8.7	12 57 48.21	+3.1033	+0.0077	−5 13 47.4	−19.418	+0.121	90.3	129 136	4 3405
4742	8.5	57 50.69	3.0880	0.0064	2 37 10.8	19.417	0.121	90.4	146 152	2 3617
4743	9.0	57 51.18	3.0930	0.0068	3 28 26.8	19.417	0.121	91.7	227 331	3 3397
4744	9.0	57 55.98	3.0946	0.0070	3 44 52.2	19.415	0.121	91.8	231 335	3 3398
4745	9.0	58 1.66	3.1055	0.0079	5 35 7.7	19.413	0.122	90.2	127 132	5 3618
4746	8.8	12 58 8.48	+3.0869	+0.0063	−2 25 35.9	−19.410	+0.121	90.7	148 150 230	2 3620
4747	8.2	58 11.80	3.1074	0.0081	5 53 43.3	19.409	0.122	92.2	336 337	5 3619
4748	9.1	58 25.50	3.0928	0.0068	3 24 38.2	19.404	0.122	91.4	234 235 236[a] 236	[3 3400]
4749	7.5	58 40.71	3.1001	0.0074	4 37 5.2	19.398	0.123	91.8	231 335	4 3408
4750	7.5	58 44.11	3.0886	0.0064	2 40 49.1	19.397	0.123	90.4	146 152	2 3621

[1] δ ½ [2] Dupl. bor.; Com. 6" 9^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4751	6.7	12h 58m 45.23s	+3.0912s	+0.0067s	−3° 7′ 30.5″	−19.397″	+0.123″	91.0	6 Beob.	2° 3622
4752	9.5	58 55.71	3.0934	0.0069	3 28 24.0	19.393	0.123	91.0	148 150 227 331	[3 3401]
4753	8.5	59 1.51	3.1093	0.0083	6 7 30.6	19.391	0.124	90.2	127 132	5 3621
4754	8.3	13 0 14.97	3.1073	0.0081	5 41 13.3	19.363	0.126	90.2	127 132	5 3625
4755	9.0	0 20.56	3.0951	0.0070	3 40 38.3	19.361	0.126	90.7	148 150 230	3 3405
4756	9.0	13 0 21.55	+3.1011	+0.0075	−4 39 20.2	−19.361	+0.126	90.4	146 152	4 3414
4757	8.0	0 53.86	3.1009	0.0075	4 35 54.3	19.348	0.127	91.0	6 Beob.	4 3418
4758	8.3	1 4.19	3.0959	0.0071	3 46 22.4	19.344	0.127	90.8	148 150 230 231	3 3406
4759	8.4	1 15.78	3.0993	0.0074	4 18 36.3	19.340	0.128	90.9	129 136 335	4 3419
4760	8.5	1 19.22	3.0962	0.0072	3 48 20.5	19.339	0.128	90.4	148 150	3 3407
4761	9.4	13 1 53.32	+3.0946	+0.0070	−3 30 29.0	−19.325	+0.129	91.0	148 227 230 231	[3 3409]
4762	9.0	1 54.63	3.0860	0.0063	2 8 8.3	19.325	0.128	90.7	146[1] 152 227	1 2773
4763	7.8	2 0.51	3.1074	0.0081	5 32 48.8	19.323	0.129	90.9	127 132 335	5 3634
4764	8.8	2 49.63	3.1091	0.0082	5 44 39.7	19.303	0.131	90.9	127 132 335	5 3636
4765	8.8	3 7.37	3.0993	0.0074	4 10 30.9	19.296	0.131	91.0	6 Beob.	3 3412
4766	8.7	13 3 16.13	+3.0871	+0.0064	−2 15 39.0	−19.293	+0.131	90.4	146 152	2 3634
4767	8.8	3 17.58	3.1008	0.0075	4 25 4.3	19.292	0.132	91.3	227 231	4 3424
4768	8.5	3 21.09	3.0864	0.0064	2 8 45.8	19.291	0.131	90.4	146 152	1 2777
4769	8.9	3 29.12	3.0998	0.0075	4 14 18.6	19.288	0.132	90.7	148 150[1] 230	4 3425
4770	8.0	3 38.25	3.1078	0.0081	5 27 40.6	19.284	0.133	91.8	231 335	5 3640
4771	8.5	13 3 40.48	+3.1107	+0.0083	−5 54 29.0	−19.283	+0.133	92.2	331 335	5 3641
4772	9.0	3 47.99	3.0988	0.0074	4 3 52.8	19.280	0.132	92.2	331 335	3 3416
4773	9.0	4 0.16	3.0993	0.0074	4 7 19.7	19.275	0.133	91.4	234 235 236[2] 236	3 3417
4774	8.3	4 33.74	3.0912	0.0068	2 51 15.3	19.262	0.134	90.4	148 150	2 3638
4775	4.3	4 46.26	3.1054	0.0079	5 0 18.6	19.257	0.135		**Fund. Kat.**	4 3430
4776	9.0	13 4 48.42	+3.1069	+0.0081	−5 14 14.2	−19.256	+0.135	92.2	331 335	5 3644
4777	9.2	5 7.96	3.0919	0.0069	2 55 19.0	19.248	0.135	92.2	331 336	[2 3641]
4778	9.0	5 11.13	3.0976	0.0073	3 47 19.9	19.246	0.135	92.2	331 335	3 3418
4779	9.4	5 22.06	3.0966	0.0072	3 37 35.0	19.242	0.135	90.4	148 150	3 3419
4780	7.6	5 32.32	3.1018	0.0077	4 24 33.0	19.238	0.136	92.2	336 337	4 3432
4781	8.7	13 5 33.91	+3.0909	+0.0068	−2 45 28.1	−19.237	+0.135	92.3	336 338	2 3642
4782	9.0	5 48.73	3.0982	0.0074	3 50 37.6	19.231	0.137	92.2	331 335	3 3420
4783	8.5	5 48.76	3.0872	0.0065	2 11 50.6	19.231	0.136	91.7	227 337	1 2781
4784	8.6	6 7.78	3.0952	0.0072	3 23 2.7	19.223	0.137	90.4	146 152	3 3421
4785	9.4	6 31.17	3.0959	0.0072	3 28 21.5	19.213	0.137	91.4	235 236	[3 3422]
4786	9.0	13 6 49.74	+3.0893	+0.0067	−2 28 34.5	−19.206	+0.138	90.0	30 131 134	2 3644
4787	9.4	6 54.34	3.0891	0.0067	2 26 29.1	19.204	0.138	90.7	148 150 230	2 3645
4788	8.7	6 57.42	3.0968	0.0073	3 34 40.1	19.202	0.138	90.4	146 152	3 3423
4789	8.8	7 10.82	3.1131	0.0086	5 58 6.7	19.197	0.139	91.7	227 331	5 3653
4790	8.4	7 38.86	3.0956	0.0072	3 21 49.6	19.185	0.140	90.3	131 134	3 3426
4791	9.2	13 7 47.15	+3.1105	+0.0083	−5 32 25.4	−19.181	+0.140	90.4	146 152	[5 3655]
4792	8.0	8 1.20	3.1034	0.0078	4 29 25.9	19.175	0.141	90.9	5 Beob.	4 3439
4793	9.1	8 2.84	3.0900	0.0068	2 31 40.8	19.175	0.140	90.8	30 335	2 3649
4794	9.1	8 8.90	3.1104	0.0083	5 30 9.4	19.172	0.141	90.4	146 152	[5 3656]
4795	7.5	8 11.77	3.0930	0.0070	2 57 50.6	19.171	0.141	91.3	227 230 235 236	2 3651
4796	8.5	13 8 30.12	+3.0992	+0.0075	−3 50 44.4	−19.163	+0.141	92.2	331 335	3 3428
4797	8.5	8 35.76	3.1169	0.0088	6 23 28.8	19.161	0.142	92.2	331 336	6 3769
4798	8.9	8 48.26	3.1093	0.0082	5 17 4.5	19.155	0.142	92.2	335 337	5 3658
4799	8.2[2]	8 55.48	3.0885	0.0067	2 16 36.8	19.152	0.142	90.0	30 131 134	2 3653
4800	9.3	9 15.15	3.1040	0.0079	4 29 46.4	19.144	0.143	90.7	148 150 230	4 3444

[1] δ ½

[2] Z. 131 rötlich, Z. 134 rot

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4801	9.2	13ʰ 9ᵐ 19ˢ.48	+3ˢ.1106	+0ˢ.0084	−5° 25′ 49″.3	−19″.142	+0″.143	90.4	146 152	5° 3659
4802	9.0	9 43.05	3.0974	0.0074	3 31 32.4	19.131	0.144	91.3	148 331	3 3431
4803	9.2	10 8.65	3.0877	0.0067	2 7 24.5	19.120	0.144	90.3	30 227	1 2791
4804	9.0	10 24.35	3.1088	0.0082	5 6 17.4	19.113	0.145	90.4	146 152	4 3450
4805	8.8	10 34.77	3.1023	0.0078	4 10 31.3	19.109	0.145	91.4	235 236	3 3433
4806	8.6	13 10 48.29	+3.0910	+0.0069	−2 34 49.6	−19.103	+0.145	90.3	131 134	2 3659
4807	7.5	10 52.39	3.1093	0.0083	5 8 21.5	19.101	0.146	91.4	235 236	4 3452
4808	8.9	10 52.88	3.0967	0.0074	3 22 39.1	19.101	0.146	90.7	148 150 230	3 3435
4809	9.0	11 5.63	3.0965	0.0074	3 20 17.5	19.095	0.146	91.7	227 331	3 3437
4810	9.3	11 17.40	3.0961	0.0073	3 16 4.2	19.090	0.146	90.1	30 146 152	3 3438
4811	8.0	13 11 28.89	+3.1089	+0.0082	−5 2 37.8	−19.085	+0.147	92.2	331 335	4 3453
4812	7.4	11 37.49	3.1189	0.0090	6 24 23.6	19.081	0.148	92.2	331 335	6 3776
4813	9.0	11 48.35	3.0967	0.0074	3 20 15.3	19.076	0.147	90.3	131 134	3 3442
4814	8.7	11 49.49	3.1030	0.0078	4 11 46.5	19.075	0.148	90.9	5 Beob.	3 3443
4815	9.1	12 12.23	3.0905	0.0070	2 27 13.3	19.065	0.148	90.8	30 227 235 236	2 3662
4816	8.7	13 12 24.82	+3.1154	+0.0087	−5 52 10.1	−19.059	+0.149	90.4	146 152	5 3665
4817	9.3	12 41.35	3.1092	0.0083	4 59 48.5	19.052	0.150	91.0	146 152 335	[4 3455]
4818	8.1	13 6.52	3.1113	0.0084	5 15 44.3	19.040	0.150	90.7	148 150 230	5 3668
4819	7.5	13 21.49	3.1150	0.0087	5 44 20.5	19.034	0.151	91.0	148 150 227 331	5 3669
4820	7.9	14 33.08	3.1177	0.0089	6 0 56.9	19.000	0.153	90.7	148 150 230	5 3673
4821	9.4	13 14 36.80	+3.1134	+0.0086	−5 26 1.2	−18.999	+0.153	90.9	146 227 230	[5 3674]
4822	9.1	15 17.39	3.0951	0.0073	2 58 14.2	18.980	0.154	98.4	2 Beob.	[2 3670]
4823	8.9	15 32.57	3.0955	0.0074	3 0 31.1	18.973	0.154	90.8	131 134 235 236	2 3671
4824	9.2	15 48.71	3.0936	0.0073	2 44 54.7	18.965	0.155	91.9	227 331 335	[2 3674]
4825	8.4	15 49.07	3.1118	0.0085	5 8 26.0	18.965	0.156	90.9	5 Beob.	4 3464
4826	8.8	13 16 19.70	+3.1000	+0.0077	−3 34 41.5	−18.950	+0.156	90.5	30 131 134 335	3 3452
4827	9.1	16 22.00	3.1199	0.0090	6 9 22.2	18.949	0.157	90.9	5 Beob.	[5 3675]
4828	8.2	17 0.59	3.1046	0.0080	4 8 20.9	18.931	0.157	90.7	148 150 230	3 3453
4829	7.2	17 19.37	3.1167	0.0088	5 40 29.0	18.922	0.159	91.0	146 152 335	5 3678
4830	9.3	17 33.15	3.1155	0.0087	5 30 43.3	18.915	0.159	90.9	146 152 235 236	5 3679
4831	8.9	13 17 59.75	+3.1137	+0.0086	−5 14 39.6	−18.902	+0.160	90.7	148 150 230	5 3680
4832	6.0	18 7.93	3.1071	0.0082	4 24 5.4	18.898	0.160	91.7	227 331	4 3469
4833	8.6	18 17.20	3.0999	0.0077	3 28 14.8	18.893	0.160	90.5	30 131 134 335	3 3458
4834	8.2	18 44.87	3.1092	0.0083	4 37 36.8	18.880	0.161	90.8	152 227	4 3470
4835	8.9	18 56.62	3.1018	0.0079	3 40 57.4	18.874	0.161	90.0	30 131 134	3 3460
4836	8.0	13 18 56.66	+3.1044	+0.0080	−4 0 49.9	−18.874	+0.161	90.7	148 150 230	3 3459
4837	8.5	19 14.89	3.1052	0.0081	4 5 40.4	18.865	0.162	92.2	331 335	3 3461
4838	7.0	19 15.97	3.1027	0.0079	3 46 59.4	18.865	0.161	90.9	5 Beob.	3 3462
4839	8.5	19 19.48	3.1177	0.0089	5 40 1.1	18.863	0.162	92.3	336 338	5 3684
4840	6.3	19 20.74	3.1095	0.0084	4 38 30.1	18.862	0.162	91.3	152 335	4 3472
4841	7.6	13 19 27.82	+3.1076	+0.0082	−4 23 39.0	−18.859	+0.162	90.3	131 134	4 3473
4842	8.0	19 35.59	3.1231	0.0092	6 19 7.9	18.855	0.163	91.3	152 335	6 3807
4843	8.7	19 35.88	3.1104	0.0084	4 44 5.8	18.855	0.162	91.2	227 230	4 3474
4844	var.[1]	20 52.13	3.0958	0.0075	2 51 30.2	18.817	0.164	90.3	131 134	2 3683
4845	8.0	20 58.49	3.0981	0.0077	3 8 27.1	18.813	0.164	91.0	148 150 341	2 3684
4846	9.4	13 21 6.73	+3.0906	+0.0072	−2 12 57.9	−18.809	+0.164	91.3	146 338	[1 2821]
4847	9.0	21 27.01	3.1046	0.0081	3 55 33.6	18.799	0.166	90.3	131 134	3 3468
4848	9.3	21 29.56	3.1059	0.0082	4 5 0.9	18.798	0.166	91.7	227 338	3 3469
4849	8.3	21 33.79	3.1199	0.0090	5 46 54.2	18.796	0.167	91.9	237 341	5 3693
4850	8.8	21 38.27	3.1061	0.0082	4 6 4.1	18.793	0.166	91.7	227 338	3 3470

[1] Z. 131 9ᵐ.3, Z. 134 9ᵐ.1

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4851	7.8	13ʰ 21ᵐ 41ˢ.55	+3ˢ.1169	+0ˢ.0089	−5° 24′ 39″.2	−18″.792	+0″.167	90.7	148 150 230	5° 3694
4852	9.0	22 27.66	3.1106	0.0085	4 35 55.4	18.768	0.168	90.4	146 152	4 3485
4853	8.0	22 28.72	3.1247	0.0093	6 17 50.8	18.768	0.169	91.0	148 150 338	6 3819
4854	9.0	22 35.43	3.1094	0.0084	4 26 57.7	18.764	0.168	91.3	227 230 237	4 3487
4855	var.[1]	22 38.35	3.0946	0.0075	2 39 14.1	18.763	0.167	90.3	131 134	2 3686
4856	9.0	13 23 29.09	+3.1203	+0.0091	−5 42 5.9	−18.736	+0.170	91.0	146 152 338	5 3701
4857	8.0	23 31.28	3.1056	0.0082	3 56 50.6	18.735	0.169	90.9	134 227 230	3 3476
4858	7.0	23 50.90	3.1182	0.0090	5 26 16.9	18.725	0.171	91.3	227 235 236	5 3702
4859	9.0	24 8.85	3.0932	0.0075	2 26 36.9	18.716	0.170	90.4	30 237	2 3689
4860	9.3	24 13.29	3.1062	0.0082	3 58 57.6	18.713	0.171	90.4	146 152	[3 3481]
4861	8.7	13 24 32.08	+3.1097	+0.0084	−4 23 21.5	−18.703	+0.171	91.8	237 338	4 3494
4862	9.1	24 52.49	3.1042	0.0081	3 43 2.1	18.693	0.172	91.8	230 335	3 3482
4863	**6.6**	**25 12.62**	**3.1234**	**0.0093**	**5 57 14.9**	**18.682**	**0.173**		**Fund. Kat.**	**5 3706**
4864	8.8	25 34.35	3.1063	0.0082	3 56 24.9	18.670	0.173	90.4	146 152	3 3486
4865	7.3	25 41.63	3.0943	0.0076	2 32 6.0	18.667	0.173	90.4	30 237	2 3695
4866	8.9	13 25 49.97	+3.0983	+0.0078	−2 59 41.9	−18.662	+0.173	91.4	235 236	2 3697
4867	8.5	25 52.17	3.0924	0.0074	2 18 3.2	18.661	0.173	91.4	235 236	2 3698
4868	8.9	26 14.92	3.1027	0.0080	3 29 28.4	18.649	0.174	90.4	146 152	3 3489
4869	8.7	26 36.38	3.1085	0.0084	4 9 11.4	18.637	0.175	92.3	335 338	3 3490
4870	8.2	26 39.71	3.1202	0.0091	5 29 55.2	18.635	0.176	92.2	335 337	5 3713
4871	5.5	13 26 45.95	+3.1224	+0.0092	−5 44 22.2	−18.632	+0.176	91.4	235 236	5 3714
4872	8.9	26 48.03	3.1181	0.0090	5 15 3.7	18.631	0.176	91.9	237 341	5 3715
4873	8.7	27 1.02	3.0951	0.0076	2 35 8.5	18.624	0.175	92.3	338 339	2 3701
4874	9.0	27 1.46	3.0953	0.0076	2 36 48.7	18.624	0.175	92.3	338 339	2 3702
4875	8.5	27 5.93	3.0992	0.0079	3 3 3.7	18.621	0.176	90.4	148 150	2 3703
4876	9.0	13 27 11.57	+3.1070	+0.0083	−3 57 5.2	−18.618	+0.176	91.1	146 152 230 339	3 3491
4877	9.2	27 17.05	3.1200	0.0091	5 25 49.9	18.615	0.177	92.3	336 341	5 3717
4878	8.6	27 27.52	3.0908	0.0074	2 5 0.0	18.610	0.176	92.3	336 338	1 2833
4879	9.0	27 58.34	3.1013	0.0080	3 15 53.5	18.593	0.177	90.7	148 150 230	3 3493
4880	9.2	28 0.57	3.1031	0.0081	3 28 33.9	18.592	0.178	91.8	227 341	3 3494
4881	8.6	13 28 18.10	+3.1180	+0.0090	−5 8 50.9	−18.582	+0.179	91.9	237 341	4 3506
4882	9.2	28 21.62	3.0939	0.0076	2 24 38.8	18.580	0.178	90.7	6 Beob.	2 3706
4883	8.7	28 51.80	3.0936	0.0076	2 21 53.3	18.564	0.179	90.3	131 134	2 3708
4884	8.9	29 3.23	3.1121	0.0086	4 26 39.9	18.557	0.180	90.4	148 150	4 3508
4885	8.3	29 12.96	3.1069	0.0083	3 51 12.9	18.552	0.180	91.3	227 230 235 236	3 3497
4886	9.0	13 29 22.77	+3.1092	+0.0085	−4 6 35.0	−18.546	+0.180	91.3	227 235 236	3 3498
4887	8.5	30 4.16	3.0911	0.0075	2 3 38.3	18.523	0.181	90.0	30 131 134	1 2838
4888	8.2	30 13.13	3.1124	0.0087	4 25 17.6	18.518	0.182	90.7	148 150 230	4 3514
4889	6.5	30 19.12	3.1166	0.0089	4 53 13.0	18.515	0.182	91.4	235 236	4 3515
4890	8.7	30 20.95	3.1075	0.0084	3 52 41.0	18.514	0.182	91.7	227 338	3 3501
4891	8.0	13 30 30.54	+3.1236	+0.0093	−5 38 40.0	−18.509	+0.183	90.7	148 150 230	5 3730
4892	9.0	30 39.00	3.0926	0.0076	2 12 34.1	18.504	0.182	90.3	131 134	1 2840
4893	8.7	31 9.01	3.0947	0.0077	2 25 40.3	18.487	0.183	90.1	5 Beob.	2 3711
4894	8.9	31 34.04	3.1278	0.0095	6 2 51.8	18.473	0.185	91.6	227 237 338	5 3734
4895	9.1	31 57.64	3.1160	0.0089	4 44 37.1	18.459	0.185	90.7	148 150 230	4 3519
4896	8.7	13 32 2.80	+3.1219	+0.0092	−5 22 50.0	−18.456	+0.186	91.6	227 237 338	5 3735
4897	8.2	32 11.04	3.1120	0.0087	4 17 36.4	18.452	0.186	90.3	140 142	4 3521
4898	8.1	32 25.43	3.1292	0.0096	6 8 33.9	18.444	0.187	90.4	140 142 146 152	5 3737
4899	6.8	32 36.76	3.0977	0.0079	2 43 32.8	18.437	0.186	90.5	5 Beob.	2 3714
4900	9.4	33 5.13	3.1309	0.0097	6 17 19.6	18.421	0.188	91.6	227 230 237 341	[6 3853]

[1] Z. 134 9ᵐ.1

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
4901	9.0	13h 33m 18.93s	+3.0918s	+0.0076s	−2° 3' 36.6"	−18.413"	+0.186"	90.3	131 134 146 152	1°2846
4902	8.5	33 20.48	3.1023	0.0082	3 11 49.1	18.412	0.187	90.4	33 148 150 230	2 3716
4903	9.1	33 55.45	3.0981	0.0080	2 43 30.8	18.392	0.188	90.1	30 148 150	2 3718
4904	8.4	34 2.79	3.1211	0.0092	5 10 55.8	18.387	0.189	90.3	140 142	4 3527
4905	9.3	34 24.40	3.1147	0.0089	4 29 14.3	18.375	0.190	90.8	146 148 152 338	4 3531
4906	9.0	13 34 58.85	+3.1075	+0.0085	−3 41 37.8	−18.355	+0.190	90.5 90.6	5 Beob.	3 3508
4907	8.0	35 13.16	3.1175	0.0090	4 44 21.4	18.346	0.191	90.5	5 Beob.	4 3533
4908	9.0	35 22.92	3.1273	0.0095	5 46 4.5	18.340	0.192	90.3	140 142	5 3745
4909	9.3	35 46.96	3.1244	0.0094	5 26 44.0	18.326	0.193	91.4	154[a] 237 338	5 3746
4910	8.5	35 50.18	3.1283	0.0096	5 50 50.7	18.324	0.193	90.3	140 142	5 3747
4911	9.2	13 36 21.75	+3.1038	+0.0083	−3 15 33.6	−18.306	+0.193	90.3	131 134	[3 3513]
4912	9.2	36 27.47	3.1061	0.0084	3 29 45.7	18.302	0.193	91.4	154[a] 237 341	3 3514
4913	8.7	36 33.09	3.1064	0.0084	3 31 19.3	18.299	0.193	90.4	33 154[a] 237	3 3515
4914	9.1	36 39.05	3.1113	0.0087	4 1 48.2	18.295	0.194	92.3	336 341	3 3516
4915	8.7	37 8.03	3.1224	0.0093	5 10 2.5	18.278	0.195	90.3	140 142	4 3535
4916	9.1	13 37 32.69	+3.1189	+0.0091	−4 46 46.3	−18.263	+0.196	91.4 91.2	154[a] 237 340[1]	4 3536
4917	7.0	38 19.25	3.1094	0.0086	3 46 12.4	18.235	0.196	90.3	140 142	3 3522
4918	8.8	38 27.69	3.1224	0.0093	5 5 47.9	18.230	0.197	92.3	336 338 339	4 3538
4919	8.5	38 28.92	3.1021	0.0083	3 1 13.3	18.229	0.196	90.0	30 131 134	2 3723
4920	9.0	38 30.72	3.1282	0.0096	5 40 58.8	18.228	0.198	91.6 91.7	154[a1] 237 340[2] 341	5 3755
4921	7.0	13 38 42.03	+3.1215	+0.0093	−4 59 42.3	−18.221	+0.198	90.7	33 235 236	4 3540
4922	9.0	39 11.39	3.1234	0.0094	5 10 10.5	18.203	0.199	90.3	140 142	4 3542
4923	8.8	39 28.96	3.1150	0.0089	4 17 51.2	18.192	0.199	90.3	131 134	4 3543
4924	8.7	39 33.07	3.1285	0.0096	5 39 35.9	18.190	0.200	91.4	154[a] 237 338	5 3756
4925	8.7	39 34.53	3.1025	0.0083	3 1 50.1	18.189	0.198	91.3	30 336 339	2 3726
4926	7.5	13 39 44.18	+3.1270	+0.0095	−5 30 1.6	−18.183	+0.200	90.3	140 142	5 3758
4927	8.2	40 0.25	3.1005	0.0082	2 48 45.0	18.173	0.199	90.8	131 134 235 236	2 3727
4928	9.1	40 5.16	3.1053	0.0085	3 18 5.6	18.170	0.199	92.3	336 338 339	3 3529
4929	9.1[3]	40 22.34	3.0976	0.0081	2 30 50.9	18.160	0.199	92.0	237 338 345	2 3728
4930	9.0	40 27.16	3.1188	0.0091	4 38 26.6	18.157	0.201	91.4	235 236	4 3554
4931	8.8	13 40 44.38	+3.1320	+0.0098	−5 57 4.3	−18.146	+0.202	91.6 91.5	154[a] 237 340[2] 341	5 3760
4932	9.5	40 54.22	3.0959	0.0080	2 19 41.0	18.140	0.200	97.3	2 Beob.	[2 3730]
4933	8.0	41 6.97	3.1164	0.0090	4 22 31.7	18.132	0.202	90.0	33 140 142	4 3555
4934	9.1	41 18.52	3.0961	0.0080	2 20 33.5	18.125	0.201	90.7	30 131 345	2 3731
4935	8.9	41 36.00	3.1143	0.0089	4 8 59.1	18.114	0.203	91.4	154[a] 237 338	3 3530
4936	8.5	13 41 40.53	+3.1224	+0.0093	−4 56 41.2	−18.111	+0.203	90.3	140 142	4 3557
4937	8.9	42 11.74	3.1079	0.0086	3 29 31.0	18.091	0.203	91.6 91.5	30 340[1] 341 345	3 3532
4938	6.8	42 11.85	3.1354	0.0100	6 12 19.8	18.091	0.205	91.4	235 236	5 3762
4939	9.2	42 34.92	3.1080	0.0086	3 29 23.4	18.077	0.204	91.7	5 Beob.	3 3533
4940	8.6	42 43.99	3.1244	0.0094	5 5 54.2	18.071	0.205	90.3	140 142	4 3560
4941	8.9	13 42 45.33	+3.0997	+0.0082	−2 39 44.1	−18.070	+0.204	90.3	131 134[1]	2 3732
4942	6.5	43 4.07	3.1373	0.0101	6 20 17.5	18.058	0.207	91.4	235 236	6 3887
4943	8.0	43 13.78	3.1155	0.0090	4 12 24.2	18.052	0.206	90.7	33 235 236	3 3535
4944	8.3	43 18.99	3.1230	0.0094	4 56 2.6	18.049	0.206	91.6 91.7	154[a1] 237 340[2] 341	4 3562
4945	7.5	43 28.82	3.0966	0.0081	2 20 31.5	18.043	0.205	90.3	131 134	2 3737
4946	8.9	13 43 29.13	+3.1039	+0.0084	−3 3 22.7	−18.042	+0.205	92.3	336 338 339	2 3738
4947	9.0	43 37.78	3.1001	0.0083	2 40 49.8	18.037	0.205	90.9	30 339	2 3739
4948	9.1	43 42.72	3.1103	0.0088	3 40 31.4	18.034	0.206	92.0	237 338 341	[3 3536]
4949	8.4	44 4.07	3.1254	0.0095	5 7 58.6	18.020	0.208	90.3	140 142	4 3563
4950	9.3	44 24.08	3.0989	0.0082	2 33 5.8	18.007	0.207	90.6	33 131 134 345	2 3742

[1] δ½ [2] δ½ [3] Dupl. med.; Bor. 22.27s 49.4" 90.4 Z.154[a]

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
4951	9.4	$13^h 44^m 42^s.00$	$+3^s.0957$	$+0^s.0081$	$-2° 13' 37''.7$	$-17''.996$	$+0''.207$	91.1	30 235 236 345	[2° 3744]	Fo
4952	9.0	45 12.93	3.1245	0.0095	4 59 30.6	17.976	0.210	90.3	140 142	4 3567	F8
4953	9.5	45 54.90	3.0979	0.0082	2 25 0.2	17.949	0.209	91.4	30 237 340 341	[2 3746]	G5
4954	8.4	45 55.76	3.0967	0.0082	2 18 6.1	17.948	0.209	90.3	131 134	2 3747	Ao
4955	9.2	46 3.79	3.1183	0.0092	4 21 54.0	17.943	0.211	91.7	235 236 341	4 3571	Ko
4956	8.8	13 46 8.86	+3.1281	+0.0096	−5 17 51.8	−17.939	+0.212	90.3	140 142	5 3766	K2
4957	9.2	46 10.54	3.1184	0.0092	4 22 5.8	17.938	0.211	91.1	33 235 236 341	4 3573	Ko
4958	9.0,	46 20.08	3.1175	0.0091	4 17 2.1	17.932	0.211	91.8	237 338	4 3574	F2
4959	9.0	46 34.77	3.1270	0.0096	5 10 24.9	17.923	0.212	92.3	336 338 339	4 3577	K2
4960	9.3	46 40.66	3.1061	0.0086	3 10 52.1	17.919	0.211	91.0	131 134 345	2 3749	Mb
4961	9.4	13 46 43.86	+3.0983	+0.0083	−2 26 16.9	−17.917	+0.211	91.6	30 339 341 345	[2 3750]	K5
4962	8.9	47 10.38	3.1078	0.0087	3 20 11.4	17.899	0.212	91.4	235 236	3 3544	K5
4963	8.5	47 22.48	3.1210	0.0093	4 34 35.6	17.891	0.213	91.4	154[a] 237 338	4 3580	F8
4964	8.3	47 40.13	3.1363	0.0100	5 59 43.3	17.880	0.215	90.3	140 142	5 3774	Fo
4965	7.3	48 1.16	3.1050	0.0086	3 2 52.4	17.866	0.213	90.5	5 Beob.	2 3752	F8
4966	7.5	13 48 23.99	+3.1334	+0.0099	−5 41 35.2	−17.851	+0.216	91.4	154[a] 237 338	5 3775	Go
4967	8.5	48 56.91	3.1293	0.0097	5 16 51.9	17.829	0.216	90.6	5 Beob.	5 3776	K5
4968	8.5	49 10.50	3.0996	0.0084	2 30 38.0	17.820	0.215	91.3	30 336 339	2 3758	F5
4969	7.8	49 30.70	3.1153	0.0091	3 57 57.3	17.806	0.217	92.3	336 339 340[1]	3 3547	F8
4970	8.0	49 43.15	3.1308	0.0098	5 23 6.7	17.798	0.218	91.4	154[a] 237 341	5 3777	K2
4971	8.4	13 49 45.86	+3.1292	+0.0097	−5 14 18.8	−17.796	+0.218	91.4	235 236	5 3778	G5
4972	8.3	50 13.16	3.1147	0.0091	3 52 55.4	17.778	0.218	92.3	336 340[1] 342 346[a]	3 3549	K5
4973	8.8	50 27.90	3.1176	0.0092	4 8 39.3	17.768	0.218	92.3	339 341	3 3551	F8
4974	6.5	50 49.32	3.1072	0.0087	3 10 16.7	17.753	0.218	91.4	154[a] 237 342	2 3761	K2
4975	7.5	50 54.07	3.1176	0.0092	4 7 40.8	17.750	0.219	91.4	235 236	3 3552	F8
4976	9.0	13 50 55.72	+3.1382	+0.0101	−6 0 18.1	−17.749	+0.221	92.3	339 341	5 3779	Ko
4977	9.0	50 56.97	3.1134	0.0090	3 44 21.4	17.748	0.219	92.3	341 345	3 3553	F8
4978	8.3	51 8.52	3.1374	0.0101	5 55 22.7	17.740	0.221	91.4	235 236	5 3780	F8
4979	9.0	51 16.56	3.1315	0.0098	5 22 54.7	17.735	0.221	92.3	338 339	5 3781	Ko
4980	9.0	51 20.21	3.1340	0.0099	5 36 31.4	17.732	0.221	91.4	154[a] 237 341	5 3782	Ko
4981	9.0	13 51 32.82	+3.1204	+0.0093	−4 21 45.0	−17.724	+0.220	90.7	33 154 345	4 3592	Ko
4982	9.0	51 35.65	3.1026	0.0085	2 43 54.9	17.722	0.219	90.0	30 131 134	2 3763	K5
4983	8.0	52 26.33	3.1278	0.0097	4 59 37.0	17.687	0.222	90.3	140 142	4 3594	F5
4984	9.0	52 29.57	3.0980	0.0084	2 17 52.3	17.685	0.220	90.3	131 134	2 3765	F8
4985	8.7	52 37.42	3.1093	0.0089	3 19 10.0	17.679	0.222	90.4	30 154[a] 237	3 3558	Go
4986	9.1	13 52 45.56	+3.1187	+0.0093	−4 9 49.6	−17.674	+0.222	91.4	5 Beob.	[3 3559]	G5
4987	8.2	52 46.32	3.1158	0.0091	3 53 55.0	17.673	0.222	91.4	235 236	3 3560	K5
4988	8.3	53 8.82	3.1436	0.0104	6 22 58.4	17.658	0.225	91.0	140 142 338	6 3910	F2
4989	9.1	53 8.93	3.1384	0.0101	5 55 11.0	17.658	0.224	91.3	140 142 339 342	[5 3787]	
4990	8.5	53 39.35	3.1405	0.0102	6 4 49.9	17.636	0.225	91.4	154[a] 237 338	5 3789	F8
4991	8.9	13 53 50.21	+3.1411	+0.0103	−6 7 31.4	−17.629	+0.226	91.4	154[a] 237 338	5 3791	Ko
4992	6.8	54 14.01	3.1279	0.0097	4 55 54.5	17.612	0.226	90.8	5 Beob.	4 3597	F8
4993	8.8	54 14.90	3.1215	0.0094	4 22 4.2	17.612	0.225	90.3	131 134	4 3598	K5
4994	6.4	54 38.33	3.1070	0.0088	3 3 45.0	17.595	0.225	90.5 90.6	5 Beob.	2 3768	F5
4995	8.9	55 17.31	3.1394	0.0102	5 54 21.6	17.568	0.228	90.3	140 142	5 3794	F5
4996	8.5	13 55 37.74	+3.1261	+0.0096	−4 43 34.8	−17.554	+0.228	91.1	33 154 336 345	4 3600	F2
4997	8.5	55 37.75	3.1228	0.0095	4 26 0.9	17.554	0.228	91.4	154 339	4 3601	Ko
4998	8.0	55 38.99	3.1436	0.0104	6 15 33.1	17.553	0.229	92.3	338 339	6 3917	F5
4999	8.6	55 51.51	3.1406	0.0102	5 59 12.8	17.544	0.229	90.3	140 142	5 3795	K5
5000	8.3	56 30.06	3.1317	0.0099	5 10 59.7	17.517	0.230	90.3	140 142	4 3604	K2

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5001	9.5	13ʰ 56ᵐ 30ˢ.24	+3ˢ.1163	+0ˢ.0092	−3° 49′ 55″.4	−17″.517	+0″.229	91.4	30 342 345	[3° 3567]
5002	9.0	56 36.31	3.1401	0.0102	5 54 36.6	17.512	0.231	92.4	342 345	5 3796
5003	9.0	57 14.82	3.1232	0.0095	4 24 53.7	17.485	0.231	90.7 90.8	33 154[1] 339	4 3607
5004	9.0	57 25.38	3.1029	0.0087	2 37 57.1	17.477	0.229	90.9	30 339	2 3772
5005	9.0	57 38.39	3.1106	0.0090	3 18 18.3	17.468	0.230	92.3	341 345	3 3568
5006	8.0	13 57 44.14	+3.1421	+0.0103	−6 1 42.9	−17.464	+0.233	92.3	339 342	5 3798
5007	8.0	57 48.81	3.1240	0.0095	4 27 46.6	17.460	0.232	90.0	33 140 142	4 3609
5008	9.0	58 11.94	3.1117	0.0090	3 23 4.7	17.444	0.231	91.7	154 342 345	3 3569
5009	9.0	58 41.09	3.1241	0.0096	4 26 24.4	17.423	0.233	90.4	33 154[a] 237	4 3613
5010	9.0	58 46.68	3.1079	0.0089	3 2 39.0	17.419	0.232	90.3	131 134	2 3777
5011	8.5	13 58 49.66	+3.1133	+0.0091	−3 30 16.1	−17.417	+0.232	91.4	154 345	3 3572
5012	8.8	58 52.37	3.1460	0.0105	6 18 27.8	17.415	0.235	90.3	140 142	6 3925
5013	8.6	58 58.52	3.1423	0.0103	5 59 12.6	17.410	0.235	92.3	339 341	5 3799
5014	6.5	59 1.20	3.1296	0.0098	4 54 3.3	17.408	0.234	91.0	154 239	4 3614
5015	9.0	59 15.75	3.1026	0.0087	2 34 34.2	17.398	0.232	90.9	30 339	2 3779
5016	8.8	13 59 24.06	+3.1350	+0.0100	−5 20 57.6	−17.392	+0.235	91.4	235 236	5 3801
5017	(7.7)[2]	59 34.25	3.1436	0.0104	6 4 21.5	17.384	0.236	90.3	140 142	5 3802
5018	8.8	59 37.99	3.1418	0.0103	5 54 49.1	17.382	0.236	91.4	154[a] 237 341	5 3804
5019	9.4	59 49.23	3.1193	0.0094	3 59 21.6	17.373	0.235	90.9	5 Beob.	[3 3574]
5020	8.7	14 1 5.65	3.1391	0.0102	5 37 30.4	17.318	0.238	90.3	140 142	5 3806
5021	8.0	14 1 12.12	+3.1162	+0.0092	−3 41 10.0	−17.313	+0.237	90.5	5 Beob.	3 3580
5022	7.8	1 30.54	3.1323	0.0099	5 2 18.4	17.299	0.238	91.4	154[a] 237 341	4 3616
5023	8.0	1 38.56	3.1260	0.0096	4 30 11.2	17.293	0.238	90.0	33 131 134	4 3618
5024	9.0	2 37.52	3.1422	0.0103	5 49 15.3	17.250	0.241	90.3	140 142	5 3811
5025	8.5	2 50.60	3.1237	0.0096	4 16 11.3	17.240	0.240	90.4	33 154[a] 237	4 3623
5026	9.0	14 3 9.66	+3.1216	+0.0095	−4 5 21.1	−17.226	+0.240	91.4	235 236	3 3583
5027	8.4	3 11.34	3.1093	0.0090	3 3 27.2	17.224	0.240	90.8	5 Beob.	2 3789
5028	9.6	3 13.15	3.1244	0.0096	4 18 57.5	17.223	0.241	91.8	5 Beob.	[4 3625]
5029	8.9	3 13.22	3.1021	0.0087	2 27 38.1	17.223	0.239	91.4	154 339	2 3790
5030	9.4	3 20.30	3.1237	0.0096	4 15 21.5	17.218	0.241	92.3	339 341 345	[4 3626]
5031	9.1	14 3 42.75	+3.1102	+0.0090	−3 7 22.8	−17.201	+0.241	90.3	131 134	2 3793
5032	9.3	3 55.75	3.1492	0.0106	6 20 20.6	17.191	0.244	91.3	140 142 342 345	[6 3941]
5033	9.3	4 5.60	3.1191	0.0094	3 51 15.6	17.184	0.242	92.1	236 341 342 345	[3 3584]
5034	9.0	4 7.72	3.1174	0.0093	3 42 40.6	17.182	0.242	91.4	154 339	3 3585
5035	8.9	4 11.33	3.1039	0.0088	2 35 20.7	17.179	0.241	90.0	30 131 134	2 3797
5036	8.5	14 4 38.16	+3.1278	+0.0097	−4 33 3.7	−17.159	+0.243	90.3	140 142	4 3628
5037	9.6	4 39.32	3.1242	0.0096	4 15 22.1	17.158	0.243	97.4	2 Beob.	[4 3629]
5038	7.3	5 13.75	3.1468	0.0105	6 5 13.2	17.132	0.246	91.4	154[a] 237 341	5 3823
5039	9.2	5 17.67	3.0994	0.0087	2 11 42.6	17.129	0.242	91.1	30 154 339 342	1 2914
5040	8.2	5 17.73	3.1333	0.0100	4 59 5.3	17.129	0.245	91.9	236 341	4 3633
5041	9.0	14 5 42.00	+3.1048	+0.0089	−2 37 58.7	−17.111	+0.243	90.3	131 134	2 3799
5042	6.8	5 43.00	3.1399	0.0102	5 30 6.9	17.110	0.246	90.3	140 142	5 3824
5043	8.0	5 48.29	3.0996	0.0087	2 12 11.0	17.106	0.243	90.0	30 131 134	1 2916
5044	9.0	6 4.82	3.1203	0.0094	3 53 39.3	17.094	0.245	91.4	235 236	3 3590
5045	9.0	6 7.98	3.1250	0.0096	4 16 31.6	17.091	0.246	90.9	33 345	4 3638
5046	(8.0)[3]	14 6 8.72	+3.1077	+0.0090	−2 51 43.0	−17.091	+0.244	91.4	154 239 339	2 3800
5047	7.2	6 27.65	3.1388	0.0102	5 23 12.0	17.076	0.247	92.4	342 345	5 3825
5048	9.0	6 34.96	3.1022	0.0088	2 24 20.2	17.071	0.245	90.9	30 346[a]	2 3801
5049	7.7	6 37.94	3.1422	0.0103	5 39 23.5	17.068	0.248	90.3	140 142	5 3826
5050	8.7	6 47.45	3.1391	0.0102	5 24 6.9	17.061	0.248	92.3	341 342 345	5 3827

[1] δ ½ [2] Dupl. maj.; Com. 4^m 9^m [3] Dupl. praec.; Com. 7^m hell 9^m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5051	8.6	$14^h\ 7^m\ 11^s.83$	$+3^s.1305$	$+0^s.0099$	$-4°\ 41'\ 33''.2$	$-17''.042$	$+0''.248$	91.4	154 345	4° 3640
5052	8.0	7 20.64	3.1035	0.0088	2 30 5.0	17.035	0.246	91.4	235 236	2 3802
5053	9.0	7 20.68	3.1194	0.0094	3 47 12.5	17.035	0.247	97.2 95.8	3 Beob.	3 3591
5054	8.7	7 25.85	3.1454	0.0104	5 53 2.5	17.031	0.249	90.3	140 142	5 3829
5055	7.8	7 35.22	3.1078	0.0090	2 50 27.7	17.024	0.247	92.4	342 345	2 3804
5056	9.2	14 7 35.53	+3.1126	+0.0092	−3 13 46.6	−17.024	+0.247	92.4	341 342 346[a]	3 3592
5057	9.2	8 26.85	3.1472	0.0105	5 59 6.3	16.984	0.251	90.3	140 142	[5 3834]
5058	8.8	8 40.66	3.1204	0.0095	3 50 6.6	16.974	0.250	91.4	235 236	3 3595
5059	9.0	8 44.60	3.1400	0.0102	5 24 5.4	16.971	0.251	92.3	339 341 342	5 3835
5060	8.7	8 53.71	3.1136	0.0092	3 16 59.1	16.964	0.249	91.0	154 239	3 3596
5061	7.0	14 9 8.91	+3.1413	+0.0103	−5 28 58.4	−16.952	+0.252	91.0	154 239	5 3837
5062	8.0	9 14.62	3.1267	0.0097	4 19 7.1	16.947	0.251	91.4	235 236	4 3643
5063	9.0	9 17.11	3.1292	0.0098	4 31 0.7	16.945	0.251	92.4	341 344 345	4 3644
5064	8.2	9 23.19	3.1335	0.0100	4 51 36.0	16.941	0.252	90.3	140 142	4 3645
5065	8.7	9 23.90	3.1064	0.0090	2 41 42.6	16.940	0.250	90.3	131 134	2 3809
5066	8.4	14 9 45.27	+3.1123	+0.0092	−3 9 31.4	−16.923	+0.251	90.7	33 139 339	2 3810
5067	9.0	10 5.34	3.1101	0.0091	2 58 51.8	16.908	0.251	90.3	131 134	2 3811
5068	9.2	10 7.10	3.1320	0.0099	4 42 54.2	16.906	0.253	91.4	154[a] 237 343	4 3647
5069	**4.0**	**10 46.13**	**3.1425**	**0.0103**	**5 31 24.3**	**16.875**	**0.255**		**Fund. Kat.**	**5 3843**
5070	8.5	10 59.19	3.1157	0.0093	3 24 13.4	16.865	0.253	90.4	33 154[a] 237	3 3600
5071	8.8	14 11 4.77	+3.1356	+0.0101	−4 58 11.4	−16.861	+0.255	91.4	235 236	4 3652
5072	6.3	11 6.12	3.1508	0.0106	6 9 23.2	16.860	0.256	92.4	341 344 345	5 3845
5073	8.7	11 9.03	3.1210	0.0095	3 49 2.7	16.857	0.254	92.4	342 345	3 3601
5074	6.4	11 19.14	3.1073	0.0090	2 43 51.9	16.849	0.253	91.4	235 236	2 3812
5075	9.0	11 31.71	3.1293	0.0098	4 27 22.0	16.840	0.255	92.3	339 342	4 3655
5076	9.1	14 11 33.86	+3.1035	+0.0089	−2 25 33.0	−16.838	+0.253	92.4	341 344 345	[2 3813]
5077	7.0	11 35.00	3.1385	0.0102	5 10 47.3	16.837	0.256	91.5	6 Beob.	4 3656
5078	9.1	11 47.00	3.1390	0.0102	5 12 27.8	16.827	0.256	91.4	144 344	[5 3847]
5079	8.0	11 50.26	3.1218	0.0096	3 51 52.4	16.825	0.255	90.0	33 131 134	3 3603
5080	7.7	11 51.86	3.1399	0.0102	5 16 33.9	16.824	0.256	92.4	341 346[a]	5 3848
5081	8.8	14 11 52.50	+3.1324	+0.0099	−4 41 10.6	−16.823	+0.256	92.4	343 345	4 3657
5082	8.8	11 52.76	3.1283	0.0098	4 21 54.7	16.823	0.255	92.3	339 342	4 3658
5083	9.3	11 58.90	3.1221	0.0096	3 52 39.4	16.818	0.255	98.3	2 Beob.	3 3604
5084	8.5	12 8.12	3.1212	0.0095	3 48 10.6	16.811	0.255	91.4	154 339	3 3606
5085	9.3	12 23.31	3.1432	0.0103	5 30 50.1	16.799	0.257	91.4	235 236	5 3849
5086	9.0	14 12 37.77	+3.1325	+0.0099	−4 40 16.3	−16.787	+0.257	90.7	139 154[a] 237	4 3660
5087	7.7	12 42.43	3.1433	0.0103	5 30 33.5	16.783	0.258	90.3	140 142	5 3852
5088	9.0	12 43.94	3.1326	0.0100	4 40 51.1	16.782	0.257	97.4	2 Beob.	4 3661
5089	9.2	13 54.56	3.1125	0.0092	3 5 8.9	16.726	0.258	90.6	33 131 134 345	[2 3820]
5090	9.4	14 15.28	3.1198	0.0095	3 38 42.9	16.709	0.259	91.2	5 Beob.	[3 3609]
5091	7.6	14 14 25.72	+3.1334	+0.0100	−4 41 13.5	−16.700	+0.260	90.3	140 142	4 3665
5092	6.5	14 37.92	3.1543	0.0107	6 17 7.3	16.691	0.262	90.3	140 142	6 3972
5093	9.1	14 48.63	3.1517	0.0106	6 4 35.2	16.682	0.262	91.0	139 144 341	5 3859
5094	8.8	14 55.88	3.1299	0.0099	4 24 24.9	16.676	0.261	90.0	33 140 142	4 3666
5095	9.1	14 58.59	3.1220	0.0096	3 47 44.1	16.674	0.260	91.0 91.1	131[1] 134 341	3 3610
5096	9.2	14 15 53.03	+3.1450	+0.0104	−5 31 24.5	−16.630	+0.263	91.9	154 339 343 345	5 3863
5097	8.8	16 2.41	3.1430	0.0103	5 22 23.9	16.622	0.263	91.4	235 236	5 3864
5098	8.0	16 5.56	3.1350	0.0100	4 45 24.7	16.619	0.263	90.3	139 144	4 3670
5099	8.3	16 5.91	3.1277	0.0098	4 12 3.7	16.619	0.262	90.5	5 Beob.	3 3613
5100	9.1	16 6.74	3.1366	0.0101	4 52 41.4	16.618	0.263	91.6	154[a] 237 342 344	[4 3671]

[1] 8½

Nr.	Gr.	A. R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5101	9.0	14h 16m 32s.61	+3s.1555	+0s.0108	−6° 17′ 47″.1	−16″.597	+0″.265	90.3	140 142	6° 3981
5102	9.1	16 54.34	3.1354	0.0101	4 45 55.7	16.579	0.264	91.0	139 144 343	4 3674
5103	9.4	16 58.57	3.1298	0.0099	4 20 33.1	16.576	0.264	90.8	154[a] 154 237	[4 3675]
5104	9.2	17 3.28	3.1366	0.0101	4 51 16.1	16.572	0.265	91.6 91.4	131δ[1] 134 339 344	4 3676
5105	8.8	17 19.78	3.1158	0.0094	3 16 17.0	16.559	0.263	90.7	33 154 345	3 3617
5106	9.0	14 17 26.61	+3.1087	+0.0091	−2 43 36.0	−16.553	+0.263	91.4	154[a] 237 343	2 3835
5107	9.2	17 36.05	3.1287	0.0098	4 14 30.8	16.545	0.265	92.4	342 344 346[a]	[4 3678]
5108	8.8	17 45.31	3.1251	0.0097	3 57 55.8	16.538	0.265	91.4	154 346[a]	3 3619
5109	8.0	17 54.90	3.1493	0.0105	5 46 37.5	16.530	0.267	90.3	140 142	5 3868
5110	8.4	17 56.04	3.1532	0.0107	6 4 14.5	16.529	0.267	90.3	139 144	5 3869
5111	8.8	14 18 58.09	+3.1187	+0.0095	−3 27 3.8	−16.477	+0.266	90.0	33 140 142	3 3620
5112	9.1	19 2.37	3.1376	0.0101	4 52 2.2	16.474	0.268	90.3	139 144	[4 3682]
5113	8.8	19 14.75	3.1566	0.0108	6 16 13.7	16.463	0.270	90.3	140 142	6 3991
5114	9.5	19 24.70	3.1578	0.0108	6 21 23.6	16.455	0.270	91.9	154 339 344 345	6 3992
5115	9.2	19 28.40	3.1211	0.0096	3 37 12.3	16.452	0.267	91.4	154[a] 237 342	3 3621
5116	8.5	14 19 34.35	+3.1205	+0.0096	−3 34 23.3	−16.447	+0.267	91.4	154[a] 237 343	3 3622
5117	9.2	19 49.51	3.1256	0.0097	3 57 5.1	16.434	0.268	91.4	33 237 344 345	3 3623
5118	8.0	20 45.85	3.1166	0.0094	3 15 42.4	16.387	0.269	91.2	154 235 236 239	3 3625
5119	9.0	20 48.55	3.1349	0.0100	4 36 46.9	16.385	0.271	90.3	139 144	4 3685
5120	8.4	20 53.65	3.1267	0.0098	4 0 11.7	16.381	0.270	90.7	33 139 339	3 3626
5121	8.8	14 21 17.51	+3.1409	+0.0102	−5 2 21.4	−16.361	+0.272	90.3	140 142	4 3687
5122	8.6	21 35.26	3.1367	0.0101	4 43 23.0	16.346	0.272	90.8	140 142 235 236	4 3690
5123	8.8	21 38.54	3.1194	0.0095	3 27 1.0	16.343	0.271	92.4	342 345	3 3628
5124	9.0	21 38.54	3.1458	0.0104	5 23 36.2	16.343	0.273	91.9	237 342	5 3877
5125	9.0	21 51.32	3.1266	0.0098	3 58 26.7	16.332	0.272	90.9	33 339	3 3629
5126	9.0	14 22 1.34	+3.1128	+0.0093	−2 57 19.4	−16.324	+0.271	91.4	156 345	2 3845
5127	9.1	22 1.35	3.1415	0.0103	5 3 45.8	16.324	0.273	92.4	342 345	4 3692
5128	8.8	22 3.66	3.1031	0.0090	2 14 33.4	16.322	0.270	91.9	238 343	2 3846
5129	6.5	22 9.40	3.1499	0.0105	5 40 9.4	16.317	0.274	91.0	154 239	5 3880
5130	8.8	22 35.33	3.1444	0.0103	5 15 15.5	16.295	0.274	92.3	339 343	5 3881
5131	8.8	14 22 48.97	+3.1264	+0.0098	−3 56 20.8	−16.283	+0.274	92.3	339 343	3 3631
5132	7.3	22 53.60	3.1076	0.0091	2 33 20.4	16.279	0.272	92.4	342 345	2 3849
5133	9.3	23 17.52	3.1306	0.0099	4 13 59.4	16.259	0.274	92.1	238 343 344	[4 3693]
5134	8.9	23 28.25	3.1311	0.0099	4 15 51.9	16.250	0.275	95.4 96.2	3 Beob.	4 3694
5135	6.8	23 34.00	3.1381	0.0101	4 46 20.7	16.245	0.276	92.4	344 346[a]	4 3695
5136	9.2	14 23 47.68	+3.1018	+0.0090	−2 7 8.7	−16.233	+0.273	92.4	342 345	1 2958
5137	8.0	23 55.86	3.1344	0.0100	4 29 21.8	16.226	0.276	92.3	339 343	4 3696
5138	8.2	24 27.06	3.1491	0.0105	5 32 13.3	16.199	0.278	91.0	139 144 339	5 3892
5139	9.0	24 45.04	3.1221	0.0096	3 34 51.5	16.184	0.276	91.9	238 342	3 3633
5140	6.8	24 47.85	3.1252	0.0097	3 48 4.5	16.181	0.276	91.4	235 236 237	3 3634
5141	9.1[1]	14 24 48.43	+3.1179	+0.0095	−3 16 28.5	−16.181	+0.275	91.4	154 239 344	[3 3635]
5142	8.8	24 56.83	3.1156	0.0094	3 6 12.2	16.174	0.276	90.4	33 154 239	2 3853
5143	8.9	25 8.93	3.1531	0.0106	5 48 0.1	16.163	0.279	90.3	140 142	5 3894
5144	7.7	25 18.05	3.1228	0.0097	3 37 13.0	16.155	0.277	91.0	156 238	3 3636
5145	8.0	25 30.96	3.1096	0.0092	2 39 53.2	16.144	0.276	91.0	156 238	2 3855
5146	9.1	14 25 41.33	+3.1192	+0.0095	−3 21 13.7	−16.135	+0.277	91.6	154[a] 237 342 345	3 3637
5147	7.8	25 46.89	3.1472	0.0104	5 21 28.1	16.130	0.279	90.3	140 142	5 3896
5148	8.9	25 47.29	3.1163	0.0094	3 8 27.1	16.130	0.277	90.3	139 144	2 3856
5149	9.1	26 6.57	3.1181	0.0095	3 15 53.1	16.113	0.278	91.2	5 Beob.	3 3639
5150	8.9	26 38.21	3.1330	0.0100	4 19 14.6	16.086	0.280	90.0	33 139 144	4 3701

[1] ½ [a] Dupl. med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5151	8.7	14^h 27^m $52^s.85$	+3.1436	+0.0103	−5° 2' 15.5	−16.021	+0.283	90.7	33 156 235 236	4° 3704
5152	8.8	27 56.52	3.1480	0.0105	5 21 2.9	16.017	0.283	90.3	140 142	5 3903
5153	9.0	28 9.65	3.1129	0.0093	2 51 34.2	16.006	0.280	91.4	235 236	2 3859
5154	8.8	28 11.58	3.1194	0.0095	3 19 13.3	16.004	0.281	91.4	154^a 237 342	3 3641
5155	8.9	28 34.91	3.1362	0.0101	4 29 48.6	15.984	0.283	90.3	140 142	4 3708
5156	9.0	14 28 36.02	+3.1384	+0.0102	−4 39 4.7	−15.983	+0.283	90.0	33 139 144	4 3709
5157	9.0	28 36.14	3.1037	0.0091	2 12 1.4	15.982	0.280	91.0	154 239	2 3860
5158	9.0	28 47.48	3.1389	0.0102	4 40 47.9	15.973	0.284	90.0	33 140 142	4 3710
5159	9.1	28 58.06	3.1091	0.0092	2 34 22.2	15.963	0.281	91.6	154^a 237 342 345	2 3861
5160	9.3	29 15.86	3.1036	0.0091	2 10 46.6	15.948	0.281	99.7	3 Beob.	— — [1]
5161	8.5	14 29 21.76	+3.1114	+0.0093	−2 43 49.8	−15.942	+0.282	91.2	156 235 236 238	2 3862
5162	9.0	29 30.96	3.1017	0.0090	2 2 35.0	15.934	0.282	91.6	154^a 237 342 345	1 2967
5163	7.6	29 35.44	3.1325	0.0100	4 12 44.8	15.930	0.284	90.6	139 144 154 239	4 3713
5164	7.5	30 11.76	3.1497	0.0105	5 23 41.5	15.898	0.287	90.3	140 142	5 3909
5165	7.3	30 29.36	3.1417	0.0102	4 49 45.8	15.882	0.286	90.3	139 144	4 3715
5166	9.3	14 30 43.34	+3.1158	+0.0094	−3 1 13.4	−15.870	+0.284	92.0	237 342 345	[2 3863]
5167	9.0	30 57.90	3.1380	0.0101	4 33 40.5	15.857	0.287	90.4	33 156 238	4 3716
5168	8.5	30 58.08	3.1205	0.0096	3 20 42.2	15.857	0.285	91.0	156 238	3 3645
5169	8.4	31 6.93	3.1395	0.0102	4 39 34.5	15.849	0.287	90.6	140 142 154 239	4 3718
5170	7.3	31 42.98	3.1279	0.0098	3 50 38.6	15.817	0.287	91.1	154 235 236 237	3 3648
5171	6.8	14 31 55.72	+3.1224	+0.0096	−3 27 23.6	−15.805	+0.287	90.0	33 139 144	3 3649
5172	8.5	32 34.90	3.1151	0.0094	2 56 11.5	15.770	0.287	90.6 90.7	139 144 154 239	2 3868
5173	7.4	32 37.99	3.1466	0.0104	5 6 51.7	15.767	0.290	90.3	140 142	4 3725
5174	9.0	33 13.78	3.1080	0.0092	2 26 13.1	15.735	0.288	91.1	6 Beob.	2 3872
5175	7.0	33 16.75	3.1187	0.0095	3 10 39.6	15.732	0.289	90.4	33 154^a 237	2 3873
5176	8.8	14 33 18.11	+3.1491	+0.0105	−5 15 51.8	−15.731	+0.291	90.3	140 142	5 3913
5177	8.0	33 19.31	3.1120	0.0093	2 42 38.7	15.730	0.288	90.3	139 144	2 3874
5178	7.8	33 44.64	3.1506	0.0105	5 21 14.9	15.707	0.292	91.0	154 239	5 3916
5179	9.5	34 49.08	3.1098	0.0093	2 32 21.4	15.648	0.290	90.8	5 Beob.	[2 3878]
5180	9.2	34 52.39	3.1072	0.0092	2 21 43.5	15.645	0.290	91.2	156 235 236 238	[2 3879]
5181	9.2	14 35 24.00	+3.1529	+0.0106	−5 27 41.6	−15.616	+0.295	91.3	140 142 343 345	5 3924
5182	8.3	35 42.86	3.1614	0.0108	6 1 45.8	15.599	0.296	90.3	140 142	5 3927
5183	8.2	35 48.36	3.1082	0.0092	2 25 6.2	15.594	0.292	91.0	156 238	2 3882
5184	8.9	35 51.94	3.1494	0.0105	5 12 47.8	15.591	0.295	90.3	139 144	5 3928
5185	9.0	35 54.63	3.1414	0.0102	4 39 59.6	15.588	0.295	90.4	33 154 239	4 3732
5186	8.9	14 35 54.80	+3.1549	+0.0106	−5 34 49.3	−15.588	+0.296	91.9	238 342	5 3930
5187	8.0	36 1.62	3.1391	0.0101	4 30 41.6	15.582	0.295	91.4	154^a 237 342	4 3733
5188	9.0	36 46.36	3.1184	0.0095	3 5 44.4	15.541	0.294	91.2	154 235 236 239	2 3886
5189	8.5	36 54.52	3.1381	0.0101	4 25 30.2	15.533	0.296	90.0	33 139 144	4 3735
5190	8.0	37 10.92	3.1417	0.0102	4 39 29.1	15.518	0.297	91.4	154^a 237 343	4 3736
5191	8.3	14 37 24.38	+3.1549	+0.0106	−5 32 19.0	−15.506	+0.298	92.3	339 342	5 3934
5192	9.3	37 25.69	3.1550	0.0106	5 32 35.6	15.504	0.298	92.0	239 339 342	[5 3935]
5193	**4.0**	**37 47.31**	**3.1504**	**0.0105**	**5 13 24.6**	**15.484**	**0.299**		**Fund. Kat.**	**5 3936**
5194	8.7	38 2.57	3.1103	0.0093	2 31 57.2	15.470	0.295	91.4	154^a 237 343	2 3887
5195	9.1	38 10.27	3.1346	0.0100	4 9 24.4	15.463	0.298	92.3	339 342	[3 3661]
5196	8.9	14 38 16.33	+3.1251	+0.0097	−3 31 19.2	−15.458	+0.297	91.0	154 239	3 3662
5197	8.2	38 33.63	3.1663	0.0109	6 15 45.2	15.441	0.301	92.4	342 345	6 4060
5198	7.0	38 35.87	3.1037	0.0091	2 4 49.1	15.439	0.295	91.9	239 342	1 2981
5199	9.0	38 49.85	3.1180	0.0095	3 2 10.2	15.426	0.297	91.9	239 343	2 3888
5200	9.1	39 1.19	3.1309	0.0099	3 53 36.1	15.416	0.299	91.6	154^a 237 343 346	3 3663

[1] B.D. VIII −1° 420

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5201	7.6	$14^h\ 39^m\ 7^s.20$	+3.1621	+0.0108	−5° 57′ 52.8″	−15.410	+0.302	92.3	339 344	5° 3941
5202	8.6	39 9.11	3.1497	0.0104	5 8 24.5	15.408	0.301	91.0	156 238	4 3744
5203	8.9	39 12.72	3.1439	0.0103	4 45 28.8	15.405	0.300	92.4	339 343[1] 349	4 3745
5204	7.4	39 19.00	3.1167	0.0095	2 56 23.3	15.399	0.298	92.4	347 349	2 3890
5205	8.7	39 23.62	3.1208	0.0096	3 12 34.2	15.395	0.298	92.4	342 345	3 3664
5206	9.0	14 39 34.61	+3.1584	+0.0107	−5 42 14.0	−15.385	+0.302	91.3	139 339	5 3943
5207	8.5	39 39.89	3.1123	0.0094	2 38 19.2	15.380	0.298	91.0	156 238	2 3891
5208	7.8	40 3.58	3.1678	0.0109	6 18 49.0	15.357	0.304	90.3	140 142	6 4068
5209	8.8	40 41.48	3.1327	0.0099	3 58 51.8	15.322	0.301	90.8	139 144 235 236	3 3667
5210	9.1	40 42.07	3.1617	0.0108	5 53 13.3	15.321	0.304	92.4	344 345	[5 3944]
5211	8.9	14 41 30.74	+3.1108	+0.0093	−2 30 58.8	−15.275	+0.300	91.0	156 238	2 3894
5212	8.8	41 47.47	3.1580	0.0106	5 36 52.8	15.260	0.306	90.3	140 142	5 3948
5213	8.0	41 59.35	3.1306	0.0099	3 48 52.2	15.248	0.303	91.0	156 238	3 3673
5214	9.0	42 25.31	3.1268	0.0098	3 33 19.2	15.224	0.303	90.3	139 144	3 3674
5215	9.1	42 35.57	3.1178	0.0095	2 57 41.6	15.214	0.303	91.1	154[a] 235 236 237	[2 3897]
5216	7.3	14 42 46.84	+3.1503	+0.0104	−5 5 17.1	−15.203	+0.306	90.8	140 142 235 236	4 3749
5217	8.0	43 50.11	3.1545	0.0105	5 20 1.6	15.143	0.308	90.6	140 142 154 239	5 3952
5218	8.6	43 55.44	3.1353	0.0100	4 5 9.6	15.138	0.306	90.3	139 144	3 3675
5219	8.7	44 3.16	3.1431	0.0102	4 35 13.4	15.130	0.307	90.3	139 144	4 3753
5220	8.0	44 5.51	3.1553	0.0105	5 22 31.3	15.128	0.308	90.6	140 142 156 238	5 3953
5221	8.9	14 44 49.88	+3.1692	+0.0109	−6 14 56.1	−15.086	+0.311	90.6	140 142 154 239	6 4084
5222	9.2	45 3.58	3.1260	0.0097	3 27 28.4	15.073	0.307	91.1	154[a] 235 236 237	3 3679
5223	7.9	45 38.91	3.1302	0.0098	3 43 15.7	15.038	0.308	91.4	154[a] 237 343	3 3680
5224	8.5	46 15.18	3.1043	0.0091	2 2 28.2	15.003	0.307	91.0	154 239	1 2992
5225	9.0	46 26.39	3.1636	0.0107	5 50 50.0	14.993	0.313	91.0	139 144 342	5 3957
5226	9.0	14 46 33.25	+3.1694	+0.0109	−6 12 47.1	−14.986	+0.314	90.3	140 142	6 4091
5227	8.5	46 34.38	3.1298	0.0098	3 40 45.2	14.985	0.310	91.2	6 Beob.	3 3682
5228	8.7	46 50.80	3.1402	0.0101	4 20 20.9	14.969	0.311	90.3	140 142	4 3763
5229	8.7	47 2.40	3.1288	0.0098	3 36 21.5	14.958	0.310	91.0	156 238	3 3683
5230	8.3	47 5.23	3.1211	0.0096	3 6 27.6	14.955	0.310	91.0	8 Beob.	2 3907
5231	9.5	14 47 16.08	+3.1469	+0.0103	−4 45 21.6	−14.944	+0.312	92.0	237 342 343	[4 3764]
5232	9.3	47 37.99	3.1182	0.0095	2 54 57.0	14.923	0.310	91.7	156 238 343 345	[2 3908]
5233	9.3	48 10.62	3.1085	0.0092	2 17 30.7	14.891	0.310	91.2	5 Beob.	[2 3909]
5234	9.1	48 32.45	3.1186	0.0095	2 55 36.6	14.870	0.311	90.6	139 144 154 239	[2 3910]
5235	9.0	48 38.53	3.1445	0.0102	4 34 21.7	14.864	0.314	90.3	140 142	4 3769
5236	8.8	14 48 40.21	+3.1054	+0.0092	−2 5 2.6	−14.862	+0.310	91.0	156 238	1 2994
5237	7.3	48 44.69	3.1538	0.0104	5 9 44.1	14.858	0.315	90.3	140 142	4 3770
5238	9.1	49 7.82	3.1548	0.0105	5 12 53.2	14.835	0.316	91.3	139 144 343 345	[5 3962]
5239	9.1	49 9.69	3.1321	0.0099	3 46 31.1	14.833	0.314	91.4	154[a] 237 343	3 3686
5240	9.0	49 14.56	3.1146	0.0094	2 39 45.9	14.829	0.312	91.0	156 238	2 3912
5241	8.5	14 49 21.87	+3.1459	+0.0102	−4 38 37.9	−14.821	+0.315	90.3	139 144	4 3772
5242	7.7	49 44.46	3.1235	0.0096	3 13 28.9	14.799	0.314	91.3	6 Beob.	3 3687
5243	9.0	50 3.80	3.1354	0.0099	3 57 57.3	14.780	0.315	91.0	156 238	3 3688
5244	9.3	50 9.78	3.1259	0.0097	3 22 11.8	14.774	0.314	91.4	154 345	[3 3689]
5245	9.0	50 32.75	3.1330	0.0099	3 48 35.3	14.752	0.316	92.4	342 345	3 3691
5246	9.6	14 50 45.29	+3.1356	+0.0099	−3 58 11.4	−14.739	+0.316	91.9	238 342	[3 3692]
5247	7.5	50 59.08	3.1677	0.0108	5 58 24.3	14.726	0.320	91.5	240 241	5 3966
5248	8.7	51 7.97	3.1388	0.0100	4 9 55.6	14.717	0.317	92.4	342 345	3 3694
5249	8.6	51 8.28	3.1395	0.0100	4 12 15.9	14.717	0.317	92.4	343 346	4 3778
5250	8.5	51 28.81	3.1479	0.0102	4 43 39.0	14.696	0.319	91.5	240 241	4 3779

[1] $\alpha \frac{1}{2}$ $\delta \frac{1}{4}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5251	9.1	14h 51m 38s.81	+3s.1581	+0s.0105	—5° 21′ 22″.3	—14″.686	+0″.320	92.4	343 346	[5° 3969]
5252	8.0	51 52.61	3.1702	0.0108	6 6 30.6	14.672	0.321	92.4	342 345	5 3971
5253	4.8	51 57.65	3.1355	0.0099	3 56 20.4	14.667	0.318	91.0	156 238	3 3696
5254	8.4	52 25.53	3.1742	0.0109	6 20 20.6	14.640	0.323	91.5	240 241	6 4111
5255	7.6	52 29.67	3.1307	0.0098	3 37 41.3	14.636	0.318	91.0	156 238	3 3698
5256	9.2	14 52 55.68	+3.1677	+0.0107	—5 55 15.9	—14.610	+0.323	92.1	240 342 344 345	[5 3974]
5257	8.0	53 19.38	3.1696	0.0108	6 1 37.1	14.586	0.323	91.0	154 239	5 3977
5258	8.9	53 23.04	3.1595	0.0105	5 23 59.9	14.582	0.322	91.4	144 342	5 3978
5259	9.0	53 31.13	3.1125	0.0093	2 28 54.4	14.574	0.318	90.2 90.1	28 32 156[1] 238	2 3921
5260	6.5	53 40.27	3.1464	0.0102	4 35 10.1	14.565	0.322	90.3	139 144	4 3783
5261	8.3	14 54 18.08	+3.1168	+0.0094	—2 44 27.9	—14.527	+0.320	90.2	28 32 156 238	2 3923
5262	9.0	55 33.90	3.1142	0.0094	2 33 39.4	14.451	0.321	90.2	28 32 154 239	2 3926
5263	8.8	55 39.32	3.1385	0.0100	4 3 34.2	14.445	0.324	90.9	139 144 240 241	3 3706
5264	9.0	55 50.64	3.1128	0.0094	2 28 24.1	14.434	0.321	91.0	154 239	2 3927
5265	9.0	55 52.38	3.1629	0.0106	5 32 55.8	14.432	0.326	92.4	344 346	5 3987
5266	8.9	14 55 56.69	+3.1328	+0.0098	—3 42 3.9	—14.428	+0.323	95.8 97.5	3 Beob.	3 3707
5267	9.1	56 3.63	3.1397	0.0100	4 7 26.4	14.421	0.324	92.4	344 346	3 3708
5268	5.0	56 8.08	3.1110	0.0093	2 21 30.5	14.416	0.322	91.5	240 241	2 3928
5269	6.5	56 23.00	3.1177	0.0094	2 45 58.3	14.401	0.323	91.9	246 342	2 3930
5270	8.6	56 43.94	3.1157	0.0094	2 38 31.8	14.380	0.323	90.2	28 32 156 238	2 3931
5271	9.2	14 57 22.73	+3.1580	+0.0104	—5 12 53.8	—14.340	+0.328	92.4	342 346	[5 3994]
5272	8.8	57 25.29	3.1409	0.0100	4 10 14.6	14.338	0.326	91.0	139 144 343	3 3713
5273	7.0	57 33.19	3.1158	0.0094	2 38 13.7	14.330	0.324	90.2	28 32 156 238	2 3933
5274	8.6	57 39.13	3.1088	0.0092	2 12 21.2	14.323	0.323	91.0	154 239	2 3935
5275	8.9	57 50.65	3.1146	0.0094	2 33 48.3	14.312	0.324	91.5	240 241	2 3936
5276	9.0	14 58 15.58	+3.1632	+0.0105	—5 30 24.5	—14.286	+0.330	91.0	154 239	5 3999
5277	8.5	58 16.62	3.1182	0.0094	2 46 33.1	14.285	0.325	91.5	240 241	2 3937
5278	9.5	58 31.06	3.1566	0.0104	5 6 9.6	14.270	0.329	97.4	2 Beob.	[4 3797]
5279	9.3	58 31.40	3.1254	0.0096	3 12 27.8	14.270	0.326	90.2	28 32 156 238	3 3717
5280	9.0	58 41.42	3.1731	0.0108	6 5 50.1	14.260	0.331	91.0	154 239	5 4000
5281	8.8	14 59 6.27	+3.1669	+0.0106	—5 42 40.3	—14.234	+0.331	91.5	240 241	5 4003
5282	8.8	59 27.29	3.1683	0.0106	5 47 5.9	14.213	0.332	90.0	29 139 144	5 4005
5283	9.2	59 38.71	3.1235	0.0096	3 4 54.1	14.201	0.328	89.4	28 32	2 3940
5284	9.1	59 39.57	3.1717	0.0107	5 59 21.9	14.200	0.333	91.9	245 346	[5 4006]
5285	8.8	59 50.26	3.1080	0.0092	2 8 19.8	14.189	0.326	91.0	156 238	1 3012
5286	8.5	15 0 14.11	+3.1492	+0.0102	—4 37 18.7	—14.164	+0.331	91.2	154 239 240 241	4 3804
5287	9.3	0 21.44	3.1756	0.0108	6 12 9.8	14.157	0.334	91.4	5 Beob.	[6 4131]
5288	9.0	0 23.50	3.1061	0.0091	2 1 15.8	14.155	0.327	92.4	342 347	1 3013
5289	8.8	0 26.93	3.1386	0.0099	3 58 46.0	14.151	0.330	91.9	246 342	3 3725
5290	8.9	0 44.53	3.1326	0.0097	3 36 48.1	14.133	0.330	91.9	240 342	3 3726
5291	8.9	15 1 4.21	+3.1288	+0.0097	—3 22 50.4	—14.113	+0.330	91.5	245 246	3 3727
5292	9.4	1 19.41	3.1097	0.0092	2 13 48.8	14.097	0.328	90.2	28 32 154 239	[2 3943]
5293	9.1	1 33.96	3.1190	0.0094	2 47 0.1	14.082	0.330	91.4	154 239 343	[2 3944]
5294	8.8	1 40.13	3.1635	0.0105	5 26 49.3	14.075	0.335	91.5	245 246	5 4011
5295	8.6	1 46.54	3.1765	0.0108	6 12 59.6	14.069	0.336	90.0	29 139 144	6 4136
5296	9.0	15 2 21.08	+3.1425	+0.0100	—4 10 51.2	—14.033	+0.333	92.4	342 346	4 3812
5297	8.8	2 22.62	3.1092	0.0092	2 11 14.8	14.031	0.330	90.2	28 32 154 239	2 3946
5298	9.0	2 44.78	3.1505	0.0101	4 38 50.5	14.008	0.335	90.3	139 144	4 3816
5299	9.0	2 50.23	3.1132	0.0093	2 25 25.8	14.002	0.331	91.9	240 342	2 3949
5300	7.5	2 52.64	3.1291	0.0096	3 22 23.3	14.000	0.333	91.0	156 238	3 3730

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5301	9.2	15h 2m 58s.05	+3s.1660	+0s.0105	−5° 33′ 54″.8	−13″.994	+0″.337	91.4	29 343 346	[5° 4016]
5302	7.5	3 32.71	3.1698	0.0106	5 46 32.2	13.958	0.338	91.5	245 246	5 4017
5303	8.4	3 37.08	3.1769	0.0107	6 11 38.2	13.953	0.339	91.5	245 246	6 4141
5304	8.5	3 39.10	3.1608	0.0104	5 14 36.5	13.951	0.337	91.0	154 239	5 4018
5305	8.0	3 43.85	3.1337	0.0097	3 37 47.1	13.946	0.334	90.9	139 144 240 241	3 3733
5306	8.3	15 3 59.74	+3.1096	+0.0092	−2 11 40.7	−13.930	+0.332	90.2	28 32 156 238	2 3950
5307	9.0	4 5.94	3.1714	0.0106	5 51 16.4	13.923	0.339	91.4	29 342 346	5 4021
5308	9.0	4 19.56	3.1368	0.0098	3 48 19.3	13.909	0.335	91.0	154 239	3 3735
5309	7.0	4 19.63	3.1572	0.0103	5 0 41.1	13.909	0.338	91.5	245 246	4 3818
5310	8.0	4 24.07	3.1310	0.0097	3 27 45.9	13.904	0.335	91.5	240 241	3 3736
5311	7.9	15 4 37.90	+3.1798	+0.0108	−6 20 11.6	−13.890	+0.340	90.4	29 156 238	6 4146
5312	9.4	4 41.97	3.1105	0.0092	2 14 28.4	13.885	0.333	96.9	2 Beob.	[2 3953]
5313	8.7	4 42.35	3.1071	0.0091	2 2 27.8	13.885	0.333	90.8	32 240 241	1 3028
5314	9.3	5 3.79	3.1348	0.0097	3 40 39.5	13.862	0.336	91.0	139 144 342	3 3738
5315	8.4	5 51.70	3.1267	0.0096	3 11 17.6	13.812	0.337	90.0	32 139 144	3 3740
5316	8.7	15 6 25.68	+3.1656	+0.0104	−5 27 37.0	−13.776	+0.341	90.4	29 156 238	5 4029
5317	9.0	6 27.63	3.1594	0.0103	5 5 47.6	13.774	0.341	97.9	2 Beob.	4 3827
5318	8.0	6 28.50	3.1595	0.0103	5 6 16.2	13.773	0.341	91.1	8 Beob.	4 3828
5319	9.5	6 40.03	3.1288	0.0096	3 18 10.7	13.761	0.338	96.9	2 Beob.	[3 3741]
5320	9.0	7 5.35	3.1800	0.0108	6 17 0.0	13.734	0.344	90.4	29 156 238	6 4155
5321	8.0	15 7 47.60	+3.1293	+0.0096	−3 18 57.8	−13.689	+0.339	90.2	28 32 154 239	3 3744
5322	8.0	7 55.46	3.1460	0.0100	4 17 25.7	13.680	0.341	90.3	139 144	4 3832
5323	8.9	8 38.72	3.1650	0.0104	5 22 50.9	13.634	0.344	90.8	29 245 246	5 4033
5324	8.8	8 48.60	3.1077	0.0091	2 2 34.3	13.624	0.338	90.4	28 154 239	1 3035
5325	9.2	8 51.43	3.1315	0.0096	3 25 45.2	13.621	0.341	91.4	156 238 342	3 3746
5326	9.0	15 8 52.95	+3.1372	+0.0097	−3 45 26.1	−13.619	+0.342	90.3	139 144	3 3747
5327	9.1	8 59.82	3.1354	0.0097	3 39 20.1	13.612	0.342	91.4	154 239 343	[3 3748]
5328	8.1	9 10.92	3.1686	0.0104	5 34 32.4	13.600	0.345	90.4	29 154 239	5 4034
5329	6.7	9 15.98	3.1241	0.0095	2 59 29.3	13.594	0.341	91.5	240 241	2 3960
5330	9.0	9 31.58	3.1463	0.0099	4 16 47.3	13.578	0.343	91.5	245 246	4 3838
5331	9.2	15 9 33.33	+3.1448	+0.0099	−4 11 33.2	−13.576	+0.343	92.1	245 343 347	4 3839
5332	6.5	9 34.21	3.1611	0.0103	5 7 50.3	13.575	0.345	91.5	240 241	4 3840
5333	8.7	9 39.15	3.1683	0.0104	5 32 57.0	13.569	0.346	90.4	29 154 239	5 4038
5334	9.5	9 46.20	3.1597	0.0102	5 3 0.2	13.562	0.345	92.4	342 347	[4 3843]
5335	8.0	9 46.48	3.1078	0.0091	2 2 31.0	13.562	0.340	90.8	32 245 246	1 3041
5336	9.3	15 9 59.34	+3.1160	+0.0093	−2 30 54.6	−13.548	+0.341	92.4	344 346	[2 3962]
5337	9.0	10 5.35	3.1134	0.0092	2 21 54.6	13.541	0.341	92.4	344 347	2 3963
5338	9.0	10 26.36	3.1770	0.0106	6 1 42.2	13.519	0.348	90.3	139 144	5 4039
5339	9.2	10 32.87	3.1535	0.0101	4 40 37.2	13.512	0.346	92.4	343 346	[4 3846]
5340	8.8	10 38.23	3.1634	0.0103	5 14 31.6	13.506	0.347	90.9	29 347	5 4040
5341	7.5	15 10 45.83	+3.1510	+0.0100	−4 31 37.9	−13.498	+0.346	91.5	245 246	4 3847
5342	9.6	10 55.63	3.1445	0.0099	4 9 3.7	13.487	0.345	92.4	344 347	3 3753
5343	9.1	11 24.09	3.1526	0.0100	4 36 35.1	13.456	0.347	92.4	343 347	[4 3851]
5344	8.9	11 38.75	3.1678	0.0104	5 28 29.2	13.440	0.349	92.4	343 346	5 4044
5345	7.3	12 1.67	3.1390	0.0097	3 48 57.5	13.416	0.346	90.9	5 Beob.	3 3757
5346	7.5	15 12 25.61	+3.1569	+0.0101	−4 50 5.8	−13.390	+0.348	91.5	245 246	4 3855
5347	7.3	12 27.29	3.1445	0.0098	4 7 39.8	13.388	0.347	91.0	156 238	3 3758
5348	9.2	12 49.92	3.1262	0.0094	3 4 11.4	13.363	0.346	90.4	28 32 344	2 3971
5349	8.9	12 58.96	3.1578	0.0101	4 52 42.1	13.353	0.349	91.5	245 246	4 3857
5350	8.0	13 26.71	3.1152	0.0092	2 26 2.4	13.323	0.345	91.0	154 239	2 3972

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
5351	8.7	$15^{h}\ 13^{m}\ 27^{s}.34$	$+3^{s}.1628$	$+0^{s}.0102$	$-5°\ 9'\ 15''.8$	$-13''.323$	$+0''.350$	90.4	29 156 238	4° 3858	G5
5352	8.2	13 43.17	3.1458	0.0098	4 10 53.1	13.305	0.349	90.0	5 Beob.	4 3859	F5
5353	9.1	14 8.36	3.1421	0.0097	3 57 43.4	13.278	0.349	91.4	156 238 344	3 3762	K
5354	9.0	14 12.57	3.1331	0.0096	3 26 59.2	13.273	0.348	91.0	154 239	3 3763	G5
5355	8.9	14 31.38	3.1803	0.0106	6 7 13.6	13.253	0.354	90.7	5 Beob.	5 4053	
5356	9.1	15 14 42.07	+3.1235	+0.0093	−2 53 53.2	−13.241	+0.348	90.0	5 Beob.	2 3974	
5357	9.4	14 48.06	3.1351	0.0096	3 33 6.1	13.234	0.349	91.9	240 241 344 347	3 3764	
5358	9.2	14 48.61	3.1332	0.0095	3 26 51.4	13.234	0.349	91.0	156 238	3 3765	
5359	6.7	15 20.21	3.1565	0.0100	4 45 28.5	13.199	0.352	91.5	240 241	4 3866	K0
5360	8.7	15 25.72	3.1283	0.0094	3 9 28.8	13.193	0.349	91.0	154 239	2 3977	K2
5361	6.5	15 15 37.59	+3.1087	+0.0090	−2 2 49.6	−13.180	+0.347	90.2	28 32 154 239	1 3047	K2
5362	7.0	15 50.36	3.1832	0.0106	6 15 8.9	13.166	0.356	90.8	29 245 246	6 4181	K2
5363	6.0	15 50.58	3.1692	0.0103	5 27 50.2	13.166	0.354	90.5	159 160ᵃ 160	5 4057	K2
5364	9.0	16 6.61	3.1206	0.0093	2 43 7.0	13.148	0.349	91.0	156 238	2 3980	
5365	9.1	16 16.23	3.1590	0.0100	4 52 57.4	13.137	0.354	91.9	240 241 343 347	4 3868	
5366	9.0	15 16 39.82	+3.1386	+0.0096	−3 43 38.4	−13.111	+0.352	90.2	28 32 156 238	3 3770	A2
5367	9.0	16 50.74	3.1509	0.0099	4 25 6.2	13.099	0.353	91.0	154 239	4 3873	
5368	8.6	16 54.39	3.1657	0.0102	5 14 45.8	13.095	0.355	90.8	29 245 246	5 4060	K2
5369	9.0	17 56.28	3.1679	0.0102	5 21 3.1	13.027	0.357	90.9	29 347	5 4063	
5370	8.6	17 57.85	3.1244	0.0093	2 54 38.6	13.025	0.352	90.4	7 Beob.	2 3985	K0
5371	9.1	15 18 2.64	+3.1249	+0.0093	−2 56 17.2	−13.020	+0.352	90.9	32 347	2 3987	G5
5372	7.3	18 7.17	3.1841	0.0105	6 15 1.6	13.015	0.359	91.5	245 246	6 4193	
5373	9.1	18 31.49	3.1340	0.0095	3 26 34.5	12.988	0.354	92.4	344 347	3 3775	
5374	9.0	18 39.79	3.1318	0.0094	3 18 56.1	12.979	0.354	92.4	344 348	3 3776	A
5375	8.7	19 1.98	3.1439	0.0097	3 59 25.9	12.954	0.355	91.5	240 241	3 3777	G5
5376	8.5	15 19 4.96	+3.1574	+0.0100	−4 44 38.6	−12.951	+0.357	92.4	344 348	4 3880	K0
5377	9.0	19 7.77	3.1774	0.0104	5 51 28.7	12.947	0.359	95.1	4 Beob.	5 4066	
5378	8.9	19 12.50	3.1602	0.0100	4 53 42.3	12.942	0.358	92.4	344 347	4 3881	K5
5379	9.1	19 21.71	3.1610	0.0100	4 56 13.4	12.932	0.358	92.4	347 349	4 3882	
5380	8.8	19 33.10	3.1788	0.0104	5 55 35.6	12.919	0.360	91.5	240 241	5 4067	K0
5381	7.5	15 19 46.40	+3.1783	+0.0104	−5 53 33.0	−12.904	+0.360	91.5	240 241	5 4069	K0
5382	7.7	19 49.10	3.1724	0.0102	5 33 55.9	12.901	0.360	91.5	245 246	5 4070	Ma
5383	8.5	20 7.22	3.1693	0.0102	5 23 16.5	12.881	0.360	90.2	29 159 160ᵃ 160	5 4071	A0
5384	9.0	20 30.40	3.1446	0.0097	4 0 18.9	12.855	0.357	91.4	156 347	3 3780	
5385	9.0	20 30.40	3.1472	0.0097	4 9 8.6	12.855	0.358	91.5	245 246	3 3779	K0
5386	8.2	15 20 55.81	+3.1197	+0.0092	−2 37 4.4	−12.827	+0.355	90.9	32 346	2 3992	K0
5387	9.0	21 21.17	3.1516	0.0098	4 23 5.2	12.798	0.359	92.4	344 347	4 3887	
5388	8.3	21 21.49	3.1683	0.0101	5 18 22.6	12.798	0.361	90.5	159 160ᵃ 160	5 4076	F5
5389	8.8	21 27.09	3.1729	0.0102	5 33 24.6	12.792	0.362	91.5	245 246	5 4078	G0
5390	9.0	21 28.23	3.1693	0.0101	5 22 1.5	12.790	0.361	90.8	29 156 348	5 4077	
5391	8.5	15 21 49.61	+3.1306	+0.0094	−3 12 44.0	−12.766	+0.357	92.4	344 346	3 3784	G0
5392	8.0	21 50.83	3.1714	0.0102	5 28 4.4	12.765	0.362	90.2	29 159 160ᵃ 160	5 4079	K5
5393	8.1	22 7.42	3.1212	0.0092	2 41 19.0	12.746	0.357	90.4	5 Beob.	2 3995	K2
5394	8.8	22 47.06	3.1346	0.0094	3 25 20.5	12.702	0.359	97.9 96.6	2.3 Beob.	3 3789	
5395	7.8	22 54.95	3.1831	0.0104	6 5 19.4	12.693	0.365	90.9	29 347	5 4081	G5
5396	7.9	15 23 5.15	+3.1753	+0.0102	−5 39 21.1	−12.681	+0.364	91.4	156 346	5 4083	K2
5397	9.0	23 6.05	3.1236	0.0092	2 48 40.9	12.680	0.358	90.9	32 347	2 4000	
5398	9.0	23 8.67	3.1300	0.0093	3 9 46.5	12.677	0.359	92.4	344 348	3 3790	
5399	9.0	23 26.97	3.1130	0.0090	2 13 19.8	12.657	0.357	92.4	344 347	2 4001	
5400	8.8	23 35.18	3.1871	0.0104	6 17 33.7	12.647	0.366	97.9 96.6	2.3 Beob.	6 4215	

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5401	7.8	$15^h\ 23^m\ 39^s.47$	$+3^s.1804$	$+0^s.0103$	−5° 55′ 24″.2	−12″.642	+0″.365	90.2	29 159 160ᵃ 160	5° 4086
5402	8.5	23 53.84	3.1500	0.0097	4 15 23.2	12.626	0.362	92.4	346 349	4 3895
5403	9.1	24 36.79	3.1178	0.0091	2 28 51.3	12.577	0.359	90.4	5 Beob.	2 4004
5404	8.5	25 9.65	3.1874	0.0104	6 16 24.8	12.540	0.368	90.8	29 156 346	6 4221
5405	8.8	25 32.12	3.1726	0.0101	5 27 49.1	12.514	0.367	91.5	240 241	5 4089
5406	8.8	15 25 44.15	+3.1540	+0.0097	−4 26 52.1	−12.501	+0.365	90.5	159 160ᵃ 160	4 3899
5407	8.5	25 44.45	3.1521	0.0097	4 20 28.7	12.500	0.365	91.4	156 347	4 3900
5408	8.9	25 45.38	3.1834	0.0103	6 2 34.7	12.499	0.368	98.0 96.7	2.3 Beob.	5 4090
5409	8.3	25 52.13	3.1462	0.0096	4 1 16.5	12.492	0.364	90.9	28 32 348 349	3 3793
5410	8.8	25 52.33	3.1617	0.0099	4 51 54.4	12.491	0.366	90.9	5 Beob.	4 3901
5411	9.0	15 26 12.57	+3.1830	+0.0103	−6 0 55.7	−12.468	+0.369	90.9	29 346	5 4092
5412	9.0	26 18.86	3.1163	0.0090	2 22 49.9	12.461	0.361	97.9 96.6	2.3 Beob.	2 4008
5413	8.0	26 38.86	3.1125	0.0089	2 10 26.5	12.438	0.361	89.7	28 32 156	2 4009
5414	9.0	27 28.49	3.1301	0.0093	3 7 30.3	12.381	0.364	97.9 96.6	2.3 Beob.	2 4012
5415	9.2	28 1.25	3.1546	0.0097	4 26 35.5	12.344	0.368	91.4	156 347	[4 3913]
5416	8.5	15 28 3.20	+3.1561	+0.0097	−4 31 24.9	−12.342	+0.368	91.5	240 241	4 3914
5417	9.0	28 8.10	3.1868	0.0103	6 10 36.8	12.336	0.372	90.9	29 346	6 4232
5418	9.0	28 21.71	3.1629	0.0098	4 53 4.2	12.320	0.369	91.4	159 160ᵃ 344 348	4 3917
5419	7.9	28 25.82	3.1274	0.0092	2 58 1.8	12.316	0.365	97.9 96.6	2.3 Beob.	2 4014
5420	9.0	28 46.92	3.1623	0.0098	4 50 44.0	12.291	0.370	91.2	5 Beob.	4 3919
5421	8.6	15 28 57.92	+3.1541	+0.0096	−4 24 19.0	−12.279	+0.369	91.4	156 346	4 3920
5422	8.3	29 0.40	3.1471	0.0095	4 1 24.5	12.276	0.368	91.5	240 241	3 3797
5423	6.5	29 3.80	3.1719	0.0100	5 21 34.9	12.272	0.371	90.5	159 160ᵃ 160	5 4100
5424	8.0	29 5.48	3.1167	0.0089	2 23 3.1	12.270	0.365	97.9 96.6	2.3 Beob.	2 4015
5425	7.8	29 18.90	3.1209	0.0090	2 36 23.0	12.254	0.365	91.4	156 346	2 4016
5426	9.3	15 29 25.25	+3.1523	+0.0096	−4 18 5.8	−12.247	+0.369	92.4	344 347	4 3922
5427	9.0	29 50.64	3.1616	0.0098	4 47 30.5	12.218	0.371	91.5	240 241	4 3924
5428	8.4	29 52.20	3.1280	0.0091	2 59 10.5	12.216	0.367	97.9 96.6	2.3 Beob.	2 4018
5429	9.0	29 57.98	3.1767	0.0100	5 36 1.3	12.209	0.373	97.9 96.6	2.3 Beob.	5 4104
5430	9.1	30 14.79	3.1665	0.0098	5 3 6.2	12.190	0.372	91.2	5 Beob.	4 3925
5431	9.2	15 30 27.16	+3.1637	+0.0098	−4 53 44.6	−12.176	+0.372	91.4	156 346	4 3926
5432	8.5	30 28.55	3.1313	0.0092	3 9 16.0	12.174	0.368	90.4	147 153	3 3800
5433	7.8	30 54.52	3.1855	0.0102	6 3 4.0	12.144	0.375	90.2	29 149 151 158	5 4112
5434	8.8	30 58.58	3.1183	0.0089	2 27 4.9	12.139	0.367	91.5	240 241	2 4020
5435	8.3	31 1.04	3.1133	0.0088	2 11 6.1	12.136	0.367	89.4	28 32	2 4021
5436	8.0	15 31 8.08	+3.1754	+0.0100	−5 30 27.2	−12.128	+0.374	90.5	159 160ᵃ 160	5 4114
5437	9.0	31 16.68	3.1296	0.0091	3 3 34.7	12.118	0.369	97.9 96.6	2.3 Beob.	2 4023
5438	9.0	31 20.36	3.1500	0.0095	4 8 54.7	12.114	0.371	90.4	149 151 158	3 3802
5439	9.0	31 20.67	3.1422	0.0094	3 43 52.6	12.113	0.370	92.4	347 349	3 3801
5440	9.4	31 20.95	3.1136	0.0089	2 11 55.4	12.113	0.367	90.8	32 156 347	[2 4024]
5441	9.0	15 31 31.16	+3.1192	+0.0089	−2 29 45.1	−12.101	+0.368	91.1	3 Beob.	2 4025
5442	9.0	31 32.92	3.1890	0.0102	6 13 22.5	12.099	0.376	98.4	2 Beob.	6 4247
5443	7.0	31 34.51	3.1791	0.0100	5 41 44.5	12.097	0.375	92.4	346 349	5 4117
5444	8.5	31 34.63	3.1530	0.0095	4 18 22.7	12.097	0.372	92.4	344 347	4 3930
5445	9.2	31 36.94	3.1594	0.0097	4 38 54.5	12.094	0.373	92.4	348 350	4 3932
5446	8.8	15 31 40.92	+3.1708	+0.0099	−5 15 16.9	−12.090	+0.374	96.4	3 Beob.	5 4118
5447	8.7	31 41.31	3.1589	0.0097	4 37 12.1	12.089	0.373	90.5	159 160ᵃ 160	4 3933
5448	9.2	31 41.76	3.1168	0.0089	2 21 58.0	12.089	0.368	92.4	2 Beob.	[2 4026]
5449	8.6	31 47.03	3.1773	0.0100	5 35 52.5	12.083	0.375	97.9 96.6	2.3 Beob.	5 4119
5450	9.0	32 15.21	3.1832	0.0101	5 54 10.0	12.050	0.376	91.4	156 347	5 4122

Nr.	Gr.	A. R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
5451	9.0	15^h 32^m $26^s.76$	+$3^s.1739$	+$0^s.0099$	−5° 24′ 18″.7	−12″.036	+0″.375	91.4	29 348 349	5° 4123
5452	7.1	32 31.98	3.1339	0.0092	3 16 28.7	12.030	0.371	90.4	6 Beob.	3 3806
5453	8.0	32 41.60	3.1681	0.0098	5 5 33.1	12.019	0.375	90.8	5 Beob.	4 3936
5454	8.0	32 57.81	3.1816	0.0100	5 48 11.1	12.000	0.377	91.4	156 346	5 4125
5455	9.0	33 2.68	3.1427	0.0093	3 44 10.6	11.994	0.372	97.9 96.6	2.3 Beob.	3 3809
5456	9.2	15 33 2.92	+3.1408	+0.0093	−3 38 10.3	−11.994	+0.372	90.9	149 151 158 347	3 3808
5457	8.2	33 26.93	3.1853	0.0101	5 59 23.7	11.966	0.378	90.1	29 147 153	5 4128
5458	8.0	33 37.68	3.1196	0.0089	2 30 8.4	11.954	0.370	90.0	5 Beob.	2 4030
5459	8.5	33 43.98	3.1798	0.0100	5 41 47.9	11.946	0.377	90.4	147 153	5 4130
5460	9.3	33 47.59	3.1405	0.0092	3 36 48.0	11.942	0.373	90.9	149 151 158 348	3 3810
5461	8.8	15 35 2.72	+3.1104	+0.0087	−2 0 11.8	−11.854	+0.371	91.4	156 346	1 3079
5462	9.1	35 8.17	3.1142	0.0088	2 12 14.2	11.847	0.371	90.0	5 Beob.	2 4031
5463	9.0	35 24.21	3.1270	0.0090	2 52 42.6	11.828	0.373	91.1	156 245 246	2 4033
5464	9.0	35 24.93	3.1322	0.0091	3 9 19.5	11.828	0.374	91.3	5 Beob.	3 3815
5465	8.4	35 32.78	3.1731	0.0098	5 18 34.0	11.818	0.379	90.2	29 149 151 158	5 4136
5466	8.0	15 36 2.05	+3.1798	+0.0099	−5 39 19.7	−11.784	+0.380	90.4	147 153	5 4139
5467	7.9	36 12.84	3.1164	0.0088	2 18 46.8	11.771	0.373	90.5	159 160a 160	2 4034
5468	9.1	36 15.42	3.1137	0.0087	2 9 59.9	11.768	0.373	89.9	28 32 156 160	[2 4035]
5469	7.0	36 26.05	3.1889	0.0100	6 7 23.3	11.756	0.382	90.8	29 240 241	5 4143
5470	9.0	37 0.04	3.1812	0.0099	5 42 42.2	11.715	0.381	91.1	147 245 246	5 4145
5471	8.3	15 37 15.12	+3.1643	+0.0096	−4 49 17.9	−11.698	+0.380	89.4	28 32	4 3953
5472	8.7	37 50.62	3.1696	0.0096	5 5 23.4	11.655	0.381	90.1	29 147 153	4 3955
5473	9.1	38 10.78	3.1416	0.0092	3 37 14.9	11.631	0.378	90.4	7 Beob.	3 3818
5474	9.0	38 22.82	3.1754	0.0097	5 22 54.7	11.617	0.382	90.8	5 Beob.	5 4151
5475	8.9	38 23.35	3.1619	0.0095	4 40 52.4	11.617	0.381	90.4	147 153	4 3958
5476	9.0	15 38 50.52	+3.1107	+0.0086	−1 59 28.9	−11.584	+0.375	90.9 91.0	159[1] 160a 160 349	1 3089
5477	8.8	38 51.71	3.1653	0.0095	4 50 51.8	11.583	0.382	90.2	29 149 151 158	4 3960
5478	8.3	39 7.99	3.1242	0.0088	2 41 47.6	11.563	0.377	90.4	28 32 240 241	2 4040
5479	8.0	39 12.09	3.1399	0.0091	3 31 18.5	11.559	0.379	90.9	147 153 240 241	3 3820
5480	9.1	39 40.08	3.1648	0.0095	4 48 49.4	11.525	0.383	90.9	149 151 158 347	[4 3963]
5481	8.8	15 40 0.46	+3.1554	+0.0093	−4 19 5.1	−11.501	+0.382	92.4	347 349	4 3965
5482	7.2	40 8.93	3.1846	0.0098	5 49 53.5	11.491	0.386	90.9	29 347	5 4158
5483	9.0	40 21.32	3.1834	0.0098	5 45 51.3	11.476	0.386	91.1	147 153 349	5 4159
5484	8.3	40 58.45	3.1423	0.0091	3 37 28.1	11.431	0.381	90.0	5 Beob.	3 3823
5485	8.0	41 15.80	3.1447	0.0091	3 44 54.1	11.411	0.382	90.5	159 160a 160	3 3824
5486	8.8	15 41 26.19	+3.1402	+0.0090	−3 30 39.6	−11.398	+0.382	90.5	159 160	3 3825
5487	6.3	41 26.56	3.1846	0.0098	5 48 32.7	11.398	0.387	90.1	29 147 153	5 4161
5488	8.8	41 30.04	3.1638	0.0094	4 44 4.5	11.394	0.385	90.4	149 151 158	4 3973
5489	9.2	42 0.11	3.1400	0.0090	3 29 40.6	11.357	0.382	90.9	5 Beob.	3 3826
5490	8.2	42 4.51	3.1171	0.0086	2 18 22.8	11.352	0.380	89.4	28 32	2 4044
5491	8.0	15 42 5.73	+3.1654	+0.0094	−4 48 32.2	−11.351	+0.385	90.9	147 153 240 241	4 3975
5492	(8.5)[2]	42 36.59	3.1695	0.0095	5 0 46.6	11.314	0.386	91.5	245 246	4 3976
5493	7.8	42 56.20	3.1592	0.0093	4 28 36.8	11.290	0.385	90.4	149 151 158[1]	4 3977
5494	9.0	43 8.99	3.1795	0.0096	5 31 8.3	11.275	0.388	90.9	29 346	5 4165
5495	9.0	43 10.92	3.1239	0.0087	2 39 0.8	11.272	0.382	89.4	28 32	2 4047
5496	6.0	15 43 42.49	+3.1407	+0.0090	−3 30 43.9	−11.234	+0.384	90.9 91.0	5 Beob.	3 3829
5497	9.5	43 44.37	3.1181	0.0086	2 20 50.6	11.232	0.381	92.4	346 349	[2 4050]
5498	8.2[3]	43 58.69	3.1294	0.0088	2 55 40.3	11.215	0.383	90.5	160a 160	2 4051
5499	8.0	44 1.12	3.1630	0.0093	4 39 19.5	11.212	0.387	91.5	245 246	4 3982
5500	9.0	44 16.80	3.1343	0.0088	3 10 48.4	11.193	0.384	89.4	28 32	3 3832

[1] δ ½ [2] Dupl. praec.; Com. 3″ 9^m [3] Dupl. 2″ med.; maj. (bor.) $58^s.73$ 40″.0 90.5 Z. 159

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5501	3.3	15^h 44^m $23^s.99$	$+3^s.1333$	$+0^s.0088$	−3° 7′ 27″.5	−11″.184	+0″.384		**Fund. Kat.**	2° 4052
5502	7.2	44 43.12	3.1429	0.0090	3 36 57.9	11.161	0.386	91.5	245 246	3 3833
5503	8.8	44 43.29	3.1738	0.0095	5 12 7.0	11.161	0.389	91.5	245 246	5 4171
5504	9.0[1]	44 51.17	3.1285	0.0087	2 52 23.4	11.151	0.384	91.1	159 160 348	2 4054
5505	8.5	45 10.78	3.1262	0.0087	2 45 5.7	11.127	0.384	91.1	160^a 160 349	2 4055
5506	8.3	15 45 37.83	+3.1903	+0.0097	−6 1 33.0	−11.094	+0.392	91.5	245 246	5 4178
5507	5.6	46 3.05	3.1270	0.0087	2 47 16.3	11.064	0.385	91.0	42 240 241 242	2 4058
5508	9.0	46 16.21	3.1828	0.0096	5 38 3.0	11.048	0.392	90.2	29 149 151 158	5 4181
5509	9.2	46 17.70	3.1175	0.0085	2 17 59.1	11.046	0.384	91.0	160^a 160 245 246	[2 4060]
5510	8.5	46 21.92	3.1838	0.0096	5 40 58.2	11.041	0.392	90.1	29 147 153	5 4182
5511	8.0	15 47 1.96	+3.1514	+0.0090	−4 1 32.1	−10.992	+0.389	90.1	42 147 153	3 3836
5512	9.0	47 27.18	3.1784	0.0095	5 23 31.5	10.961	0.393	90.6	5 Beob.	5 4185
5513	7.5	48 10.23	3.1262	0.0086	2 43 50.8	10.909	0.387	90.1	42 147 153	2 4064
5514	8.0	48 24.53	3.1549	0.0090	4 11 18.6	10.891	0.391	90.4	149 151 158	4 3995
5515	9.0	48 39.21	3.1796	0.0094	5 26 4.7	10.873	0.394	90.9	29 240 241 242[2]	5 4186
5516	9.0	15 48 53.75	+3.1696	+0.0092	−4 55 34.0	−10.855	+0.393	90.9	6 Beob.	4 3996
5517	8.8	48 55.92	3.1782	0.0094	5 21 41.2	10.853	0.394	90.5	159 160^a 160	5 4187
5518	8.3	49 11.61	3.1594	0.0091	4 24 30.3	10.833	0.392	90.9	147 153 245 246	4 3997
5519	8.8	49 43.67	3.1634	0.0091	4 36 11.7	10.794	0.393	90.2	29 149 151 158	4 3998
5520	9.1	50 6.49	3.1552	0.0090	4 10 58.3	10.766	0.393	90.8	6 Beob.	4 4000
5521	8.5	15 50 14.63	+3.1540	+0.0090	−4 7 14.8	−10.756	+0.393	90.2	42 159 160^a 160	3 3846
5522	9.1	51 23.67	3.1340	0.0086	3 5 52.9	10.671	0.392	90.7	42 147 153 347	2 4074
5523	8.8	51 40.85	3.1515	0.0089	3 58 34.5	10.650	0.394	90.9	6 Beob.	3 3847
5524	7.0	51 48.95	3.1919	0.0095	6 0 23.8	10.640	0.399	90.2	29 159 160^a 160	5 4199
5525	8.3	51 49.94	3.1261	0.0085	2 41 55.6	10.638	0.391	90.4	149 151 158	2 4077
5526	7.8	15 51 51.60	+3.1740	+0.0092	−5 6 28.9	−10.636	+0.397	90.5	159 160^a 160	4 4007
5527	9.0	52 0.17	3.1853	0.0094	5 40 17.2	10.626	0.399	91.5	245 246	5 4200
5528	8.8	52 2.31	3.1906	0.0095	5 56 17.1	10.623	0.399	91.5	240 241 242	5 4201
5529	9.0	52 6.29	3.1726	0.0092	5 2 5.2	10.618	0.397	91.1	147 153 347	4 4009
5530	9.0	52 39.82	3.1556	0.0089	4 10 17.1	10.577	0.396	91.0	159 160^a 160 350	4 4011
5531	8.7	15 52 46.82	+3.1300	+0.0085	−2 53 12.7	−10.568	+0.392	90.2 90.1	42 149 151 158[3]	2 4080
5532	8.8	52 59.73	3.1760	0.0092	5 11 28.6	10.552	0.398	91.0	29 240 241 242	5 4206
5533	9.1	53 21.29	3.1565	0.0089	4 12 34.5	10.525	0.396	91.1	147 153 348	4 4014
5534	9.0	53 26.32	3.1362	0.0086	3 11 41.0	10.519	0.394	91.5	240 241 242	3 3851
5535	9.2	53 35.94	3.1268	0.0084	2 43 17.4	10.507	0.393	91.0	42 349	2 4084
5536	(7.9)[4]	15 53 41.40	+3.1282	+0.0085	−2 47 18.3	−10.500	+0.393	90.1	42 149 158	2 4085
5537	9.3	53 53.05	3.1783	0.0092	5 17 37.6	10.486	0.400	97.4	2 Beob.	[5 4207]
5538	9.1	54 1.48	3.1779	0.0092	5 16 25.4	10.475	0.400	91.4	159 350	5 4208
5539	8.3	54 25.83	3.1683	0.0090	4 47 19.6	10.445	0.399	90.4	147 153	4 4017
5540	7.0	54 27.45	3.1895	0.0093	5 50 32.6	10.443	0.401	91.5	245 246	5 4210
5541	8.8	15 54 49.79	+3.1437	+0.0086	−3 33 26.3	−10.415	+0.396	90.2	42 149 151 158	3 3853
5542	9.1	54 54.78	3.1706	0.0090	4 53 49.7	10.409	0.400	91.9	245 246 348 350	4 4019
5543	8.2	54 59.43	3.1686	0.0090	4 47 51.9	10.403	0.400	91.5	240 241 242	4 4020
5544	8.3	55 15.99	3.1802	0.0092	5 22 10.9	10.383	0.401	90.2	29 159 160^a 160	5 4213
5545	8.6	55 27.24	3.1447	0.0086	3 35 56.1	10.368	0.397	90.1	42 147 153	3 3857
5546	9.0	15 55 40.89	+3.1865	+0.0092	−5 40 25.5	−10.351	+0.402	90.4	149 151 158	5 4215
5547	8.8	56 21.26	3.1814	0.0091	5 24 50.4	10.301	0.402	90.1	29 147 153	5 4216
5548	7.0	56 27.05	3.1426	0.0086	3 29 2.5	10.294	0.398	90.8	7 Beob.	3 3859
5549	8.7	56 40.98	3.1971	0.0093	6 10 59.7	10.276	0.405	90.4	149 151 158	6 4342
5550	8.8	56 52.59	3.1342	0.0084	3 3 43.8	10.262	0.397	90.8	42 245 246	2 4093

[1] Dupl. 2″ med. [2] ½ [3] δ ½ [4] Dupl. 2″ praec. maj.; nicht doppelt ges.: $41^s.36$ 17″.4 90.4 Z. 151

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5551	9.2	15ʰ 56ᵐ 58ˢ.08	+3ˢ.1380	+0ˢ.0085	—3° 15′ 7″.4	—10″.255	+0″.398	91.4	159 160 348 350	[3° 3861]
5552	9.0	57 18.97	3.1884	0.0092	5 44 35.3	10.229	0.404	90.6	29 147 153 346	5 4220
5553	8.0	57 27.90	3.1406	0.0085	3 22 40.7	10.218	0.398	91.0	42 349	3 3864
5554	8.1	57 32.92	3.1640	0.0088	4 32 18.7	10.211	0.401	91.5	245 246	4 4026
5555	7.9	57 36.32	3.1168	0.0082	2 11 32.0	10.207	0.396	90.4	149 151 158[1]	2 4094
5556	7.0	15 57 44.60	+3.1847	+0.0091	—5 33 23.1	—10.197	+0.404	91.5	240 241 242	5 4221
5557	9.1	57 55.90	3.1612	0.0088	4 23 28.4	10.182	0.402	91.5	240 241 242	4 4029
5558	9.2	58 9.54	3.1348	0.0084	3 4 53.9	10.165	0.398	90.7	5 Beob.	[2 4098]
5559	8.6	58 18.57	3.1736	0.0089	5 0 6.1	10.154	0.404	90.4	147 153	4 4032
5560	9.3	58 52.07	3.1980	0.0093	6 11 32.7	10.112	0.407	91.8	245 246 348	[6 4354]
5561	8.8	15 58 53.29	+3.1836	+0.0091	—5 29 8.6	—10.110	+0.405	90.3	29[2] 149 151 158	5 4222
5562	9.4	59 3.63	3.1321	0.0083	2 56 38.6	10.097	0.399	96.9	2 Beob.	[2 4102]
5563	8.8	59 17.08	3.1727	0.0089	4 56 36.0	10.080	0.404	90.4	147 153	4 4036
5564	8.9	59 17.72	3.1833	0.0090	5 27 57.9	10.079	0.406	90.2	29 149 151 158	5 4227
5565	9.1	59 30.27	3.1320	0.0083	2 56 5.3	10.064	0.399	90.5	159 160	[2 4103]
5566	8.3	15 59 44.17	+3.1578	+0.0087	—4 12 16.3	—10.046	+0.403	91.5	240 241 242	4 4038
5567	8.9	59 51.48	3.1714	0.0088	4 52 23.6	10.037	0.405	90.4	149 151 158	4 4039
5568	6.8	59 54.39	3.1386	0.0084	3 15 19.0	10.033	0.401	91.0	42 349	3 3870
5569	9.2	16 0 0.98	3.1993	0.0092	6 14 18.2	10.025	0.408	91.8	245 246 350	[6 4358]
5570	7.8	0 6.91	3.1948	0.0092	6 1 4.7	10.017	0.408	91.5	240 241 242	5 4231
5571	7.7	16 0 7.72	+3.1349	+0.0083	—3 4 29.4	—10.016	+0.400	90.5	159 160[2,1] 160	2 4105
5572	8.9	0 15.21	3.1893	0.0091	5 44 39.2	10.007	0.407	90.4	147 153	5 4232
5573	6.3	0 24.28	3.1949	0.0092	6 1 9.7	9.995	0.408	91.5	240 241 242	5 4234
5574	6.7	0 40.38	3.1919	0.0091	5 52 5.5	9.975	0.408	90.9	29 346	5 4235
5575	8.7	0 43.65	3.1781	0.0089	5 11 23.4	9.971	0.406	91.5	245 246	5 4236
5576	9.0	16 0 48.92	+3.1798	+0.0089	—5 16 28.2	— 9.964	+0.407	91.5	245 246	5 4237
5577	7.8	1 5.07	3.1637	0.0087	4 29 1.3	9.944	0.405	90.4	149 151 158	4 4042
5578	8.4	1 9.45	3.1347	0.0083	3 3 26.1	9.938	0.401	91.0	42 349	2 4108
5579	9.0	1 11.57	3.1192	0.0081	2 17 35.2	9.936	0.399	91.7	147 347 349	2 4109
5580	9.0	1 18.63	3.1230	0.0081	2 28 47.6	9.927	0.400	92.4	346 350	2 4110
5581	9.0	16 1 24.04	+3.1651	+0.0087	—4 32 41.3	— 9.920	+0.405	90.4	149 151 158	4 4043
5582	9.0	1 34.27	3.1897	0.0090	5 44 56.0	9.907	0.409	92.4	347 350	5 4240
5583	8.4	1 44.70	3.1333	0.0082	2 58 59.8	9.893	0.402	92.4	347 350	2 4111
5584	7.5	1 46.24	3.1460	0.0084	3 36 29.7	9.892	0.403	91.0	5 Beob.	3 3875
5585	8.0	1 52.17	3.1546	0.0085	4 1 37.0	9.884	0.404	92.4	346 349	3 3876
5586	(8.0)[3]	16 2 23.87	+3.1212	+0.0081	—2 22 57.2	— 9.844	+0.401	90.4	147 153	2 4113
5587	9.5	2 41.24	3.1976	0.0091	6 6 56.4	9.822	0.411	90.4	149 151 158	[5 4243]
5588	8.8	3 20.21	3.1497	0.0084	3 46 29.2	9.772	0.405	91.1	147 153 350	3 3879
5589	8.8	3 31.75	3.1251	0.0081	2 33 59.5	9.757	0.402	91.0	42 349	2 4116
5590	8.7	3 46.96	3.1840	0.0089	5 26 18.9	9.738	0.410	90.7	7 Beob.	5 4246
5591	8.0	16 3 52.09	+3.1586	+0.0085	—4 12 5.0	— 9.731	+0.407	90.2 90.1	46 159[1] 160	4 4052
5592	8.5	4 11.72	3.1607	0.0085	4 18 7.8	9.706	0.408	89.4	31 38	4 4054
5593	8.7	4 22.16	3.1398	0.0082	3 16 57.7	9.693	0.405	90.1	42 147 153	3 3882
5594	6.1	4 36.48	3.1383	0.0082	3 12 12.9	9.675	0.405	91.0	46 240 241 242	3 3884
5595	9.0	4 49.78	3.1658	0.0086	4 32 34.3	9.658	0.409	90.2	43 149 151 158	4 4057
5596	9.0	16 5 6.44	+3.1420	+0.0082	—3 22 53.9	— 9.637	+0.406	90.0	31 38 159 160	3 3886
5597	8.7	5 22.46	3.1645	0.0085	4 28 21.0	9.616	0.409	90.7	42 147 153 349	4 4061
5598	8.2	5 59.00	3.1493	0.0083	3 43 45.3	9.569	0.408	90.0	5 Beob.	3 3888
5599	9.0	6 14.42	3.1822	0.0087	5 19 19.2	9.550	0.412	90.7	42 147 153 350	5 4252
5600	8.7	7 23.93	3.1401	0.0081	3 16 21.9	9.460	0.408	89.9	31 38 147 153	3 3890

[1] δ ½ [2] ½ [3] Dupl. praec.; Com. 9ʳ 9ᵐ

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
5601	8.9	16ʰ 7ᵐ 26ˢ.83	+3ˢ.1736	+0ˢ.0086	—4° 53′ 26″.0	—9″.457	+0″.412	90.2	42 149 151 158	4° 4069
5602	8.9	7 35.49	3.1974	0.0089	6 2 14.9	9.445	0.415	91.0	43 349	5 4254
5603	6.5	7 40.93	3.1544	0.0083	3 57 50.1	9.438	0.410	90.8	6 Beob.	3 3891
5604	8.8	8 8.73	3.1417	0.0081	3 20 36.3	9.403	0.409	91.0	42 350	3 3895
5605	7.3	8 10.37	3.1511	0.0082	3 47 45.4	9.401	0.410	91.0	46 349	3 3896
5606	8.9	16 8 22.20	+3.1277	+0.0079	—2 39 52.4	—9.385	+0.407	89.4	31 38	2 4130
5607	8.5	8 24.02	3.1964	0.0088	5 58 27.5	9.383	0.416	95.4	3 Beob.	5 4259
5608	8.5	8 33.35	3.1540	0.0082	3 56 0.2	9.371	0.411	90.2	42 159 160	3 3899
5609	8.0	8 50.95	3.1534	0.0082	3 54 16.0	9.348	0.411	90.2	42 159 160	3 3901
5610	8.5	8 52.71	3.1158	0.0078	2 5 7.4	9.346	0.406	91.0	46 349	1 3153
5611	9.0	16 9 1.60	+3.1312	+0.0079	—2 49 43.6	—9.334	+0.408	96.9	2 Beob.	2 4134
5612	8.5	9 1.77	3.1392	0.0080	3 13 2.2	9.334	0.409	91.0	46 350	3 3902
5613	**3.0**	**9 6.22**	**3.1438**	**0.0081**	**3 26 13.1**	**9.329**	**0.410**		**Fund. Kat.**	**3 3903**
5614	8.9	9 27.15	3.2021	0.0088	6 14 7.2	9.302	0.418	90.2	43 159 160	6 4388
5615	8.5	9 48.37	3.1265	0.0079	2 35 47.1	9.274	0.408	89.4	31 38	2 4144
5616	8.5	16 10 3.05	+3.1159	+0.0077	—2 5 1.5	—9.255	+0.407	90.2	42 159 160	1 3159
5617	9.0	10 26.97	3.1692	0.0084	4 38 47.4	9.224	0.414	90.7	43 149 151 349	4 4079
5618	8.9	11 25.38	3.1789	0.0084	5 6 6.2	9.148	0.416	90.7	43 147 153 350	4 4083
5619	9.2	11 29.12	3.1378	0.0079	3 7 54.6	9.144	0.411	90.5	6 Beob.	[3 3908]
5620	6.8	11 29.77	3.1820	0.0085	5 14 53.1	9.143	0.417	90.5	43 244	5 4266
5621	6.0	16 11 39.62	+3.1498	+0.0081	—3 42 21.2	—9.130	+0.413	90.5	42 242	3 3910
5622	8.8	11 41.60	3.1973	0.0087	5 58 29.8	9.127	0.419	90.2	43 149 151 158	5 4267
5623	8.1	12 18.30	3.1956	0.0086	5 53 8.6	9.080	0.419	98.4	2 Beob.	5 4270
5624	8.2	12 29.83	3.1517	0.0080	3 47 20.9	9.065	0.414	91.0	42 350	3 3915
5625	9.0	12 31.35	3.1562	0.0081	4 0 15.3	9.063	0.414	95.5	3 Beob.	3 3916
5626	9.0	16 12 31.86	+3.1828	+0.0084	—5 16 26.2	—9.062	+0.418	98.4 97.0	2.3 Beob.	5 4271
5627	} 8.5	12 58.81	3.1150	0.0076	2 1 41.7	9.027	0.410	04.4	2 Beob.	} 1 3166
5628		12 58.86	3.1149	0.0076	2 1 30.4	9.027	0.409	98.4 97.0	2.3 Beob.	
5629	**3.3**	**13 1.71**	**3.1656**	**0.0082**	**4 26 56.0**	**9.023**	**0.416**		**Fund. Kat.**	**4 4086**
5630	9.0	13 17.61	3.1627	0.0081	4 18 36.5	9.003	0.416	98.4 97.0	2.3 Beob.	4 4088
5631	8.9	16 13 28.62	+3.1930	+0.0085	—5 44 56.5	—8.988	+0.420	92.4	347 349	5 4276
5632	9.0	13 50.14	3.1683	0.0082	4 34 14.4	8.960	0.417	90.5	42 242	4 4091
5633	8.5	14 6.82	3.1755	0.0083	4 54 25.6	8.938	0.418	90.1	46 147 153	4 4092
5634	8.3	14 45.44	3.1310	0.0077	2 47 2.0	8.888	0.413	90.0	5 Beob.	2 4160
5635	9.0	14 48.26	3.1689	0.0081	4 35 14.5	8.884	0.418	90.7	42 159 160 349	4 4093
5636	9.0	16 14 50.75	+3.1510	+0.0079	—3 44 16.5	—8.881	+0.416	90.5	46 242	3 3920
5637	8.8	14 58.58	3.1677	0.0081	4 31 52.5	8.871	0.418	90.5	42 242	4 4094
5638	8.3	14 59.21	3.1632	0.0081	4 19 1.9	8.870	0.418	90.1	41 147 153	4 4095
5639	8.9	15 9.87	3.1716	0.0082	4 42 46.8	8.856	0.419	97.0 95.9	2.3 Beob.	4 4096
5640	8.7	15 22.22	3.1648	0.0081	4 23 20.1	8.840	0.418	90.5	43 242	4 4097
5641	9.0	16 15 29.16	+3.1501	+0.0079	—3 41 22.5	—8.831	+0.416	98.4 97.0	2.3 Beob.	3 3921
5642	9.0	15 51.29	3.1488	0.0079	3 37 25.2	8.802	0.416	90.2	7 Beob.	3 3924
5643	8.8	15 52.92	3.1700	0.0081	4 37 44.1	8.800	0.419	90.1 90.0	42 147 153[1]	4 4098
5644	9.2	16 40.83	3.1668	0.0080	4 28 14.1	8.737	0.419	99.5	3 Beob.	[4 4100]
5645	8.9	16 44.86	3.1411	0.0077	3 15 6.2	8.731	0.416	89.9	31 38 147 153	3 3926
5646	8.3	16 16 57.95	+3.1874	+0.0083	—5 26 28.7	—8.714	+0.422	90.2	43 159 160	5 4282
5647	8.0	17 17.23	3.1571	0.0079	4 0 30.7	8.689	0.419	90.6	6 Beob.	3 3929
5648	8.9	17 19.68	3.1566	0.0079	3 58 59.6	8.686	0.419	90.2	43 149 151 158	3 3930
5649	8.9	17 21.32	3.1672	0.0080	4 29 0.3	8.683	0.420	90.5 90.7	42 242 244δ[2]	4 4101
5650	9.2	17 47.79	3.1631	0.0079	4 17 0.0	8.649	0.420	89.9	31 38 147 153	[4 4102]

[1] δ ½ [2] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5651	8.7	16h 17m 57.67s	+3.1685s	+0.0080s	−4° 32′ 17.6″	−8.636″	+0.421″	90.5 90.7	42 240 244[1]	4° 4103
5652	8.5	18 31.83	3.1156	0.0075	2 1 56.1	8.591	0.414	90.2	46 149 151 158	1 3178
5653	8.8	18 36.83	3.1306	0.0075	2 44 26.9	8.584	0.416	90.2	42 159 160	2 4176
5654	9.3	18 53.47	3.1169	0.0074	2 5 32.4	8.562	0.415	90.0	31 38 159 160	1 3180
5655	8.7	18 53.81	3.2037	0.0084	6 11 5.6	8.562	0.426	90.8	43 240 242	6 4424
5656	9.2	16 19 15.62	+3.1200	+0.0074	−2 14 20.1	−8.533	+0.415	90.8 90.9	46 147 244[1] 349	[2 4177]
5657	7.0	19 27.25	3.1204	0.0074	2 15 24.8	8.518	0.416	90.1	46 147 153	2 4179
5658	8.7	19 34.76	3.1408	0.0076	3 13 14.2	8.508	0.418	90.2	42 149 151 158	3 3937
5659	8.0	19 39.77	3.1201	0.0074	2 14 24.1	8.501	0.416	90.1	46 147 153	2 4180
5660	9.2	19 49.92	3.1219	0.0074	2 19 29.5	8.488	0.416	90.0	31 38 159 160	2 4182
5661	9.0	16 20 13.16	+3.1722	+0.0079	−4 41 23.2	−8.457	+0.423	96.9 95.8	2.3 Beob.	4 4107
5662	7.7	20 17.99	3.1498	0.0077	3 38 16.6	8.451	0.420	91.0	46 349	3 3939
5663	7.8	20 18.97	3.1931	0.0082	5 40 7.7	8.449	0.426	97.0 95.9	2.3 Beob.	5 4292
5664	8.4	20 30.57	3.1973	0.0082	5 52 0.0	8.434	0.427	90.2	43 149 151 158	5 4293
5665	9.0	20 31.10	3.1869	0.0081	5 22 36.1	8.433	0.425	90.2	43 159 160	5 4294
5666	8.9	16 20 50.40	+3.1425	+0.0076	−3 17 25.3	−8.408	+0.420	89.9	31 38 147 153	3 3940
5667	8.9	20 59.22	3.1672	0.0078	4 26 56.8	8.396	0.423	90.6	6 Beob.	4 4110
5668	8.1	21 45.87	3.1315	0.0074	2 45 57.3	8.334	0.419	90.6	5 Beob.	2 4189
5669	8.5	21 47.75	3.1295	0.0074	2 40 21.2	8.332	0.419	90.0	31 38 159 160	2 4190
5670	9.0	21 57.00	3.1753	0.0079	4 49 22.0	8.319	0.425	90.8	42 240 242	4 4113
5671	8.8	16 22 9.43	+3.1432	+0.0075	−3 18 58.0	−8.303	+0.421	90.2	43 149 151 158	3 3943
5672	9.2	23 0.41	3.1932	0.0080	5 38 48.1	8.235	0.428	90.3	6 Beob.	[5 4300]
5673	8.8	23 22.21	3.1172	0.0072	2 5 17.4	8.206	0.418	89.9	31 38 147 153	1 3197
5674	8.2	23 29.77	3.1843	0.0079	5 13 26.3	8.196	0.427	90.3 90.0	5.4 Beob.	5 4304
5675	8.3	23 50.76	3.1845	0.0079	5 13 49.0	8.168	0.428	90.4	147 153	5 4307
5676	9.2	16 24 18.49	+3.1813	+0.0078	−5 4 38.0	−8.131	+0.427	90.2	42 149 151 158	[4 4118]
5677	8.5	24 40.07	3.1260	0.0072	2 29 36.9	8.103	0.420	90.3	5 Beob.	2 4199
5678	8.3	25 7.31	3.1987	0.0080	5 52 31.7	8.066	0.431	90.8	43 240 242	5 4309
5679	8.8	25 25.64	3.1680	0.0076	4 26 55.9	8.042	0.427	90.3	6 Beob.	4 4121
5680	9.0	25 28.35	3.1535	0.0075	3 46 17.8	8.038	0.425	00.7 99.7	4.5 Beob.	3 3952
5681	8.8	16 25 28.44	+3.1554	+0.0075	−3 51 50.6	−8.038	+0.425	90.5	43 244	3 3951
5682	8.0	25 29.36	3.1468	0.0074	3 27 41.8	8.037	0.424	90.8	46 240 242	3 3953
5683	8.5	25 36.81	3.1174	0.0071	2 5 15.8	8.027	0.420	90.2	46 149 151 158	1 3202
5684	9.1	25 39.12	3.1219	0.0071	2 17 54.9	8.024	0.421	90.0	31 38 159 160	2 4201
5685	9.0	26 27.42	3.1329	0.0072	2 48 35.1	7.959	0.423	90.7	42 153 240 242	2 4202
5686	8.5	16 26 32.97	+3.1165	+0.0070	−2 2 40.6	−7.952	+0.421	90.0	5 Beob.	1 3206
5687	8.7	26 57.71	3.1647	0.0075	4 16 57.4	7.919	0.427	90.8	43 240 242	4 4124
5688	8.8	27 13.43	3.1258	0.0071	2 28 32.8	7.897	0.422	90.1 90.0	42 147[1] 153	2 4203
5689	7.0	28 7.48	3.1598	0.0074	4 2 57.0	7.825	0.428	90.2	43 149 151 158	3 3961
5690	8.8	28 13.74	3.1442	0.0072	3 19 26.8	7.817	0.426	90.4	6 Beob.	3 3962
5691	9.0	16 28 15.81	+3.1891	+0.0077	−5 24 0.1	−7.814	+0.432	90.5	43 244	5 4316
5692	7.8	28 37.03	3.1772	0.0076	4 50 43.1	7.785	0.430	90.6	6 Beob.	4 4128
5693	8.0	28 42.79	3.1498	0.0073	3 34 48.0	7.777	0.427	90.5	46 244	3 3964
5694	9.2	28 59.73	3.1988	0.0078	5 50 28.2	7.755	0.434	90.5	43 244	5 4317
5695	8.7	29 7.62	3.1547	0.0073	3 48 18.8	7.744	0.428	89.9	31 38 147 153	3 3967
5696	7.8	16 29 7.84	+3.2007	+0.0078	−5 55 37.1	−7.744	+0.434	91.0	46 349	5 4318
5697	9.2	29 18.48	3.1769	0.0075	4 49 41.1	7.729	0.431	90.2	42 149 151 158	[4 4129]
5698	9.1	29 51.67	3.1636	0.0074	4 12 34.6	7.685	0.429	91.0	42 349	[4 4131]
5699	8.9	30 0.75	3.2030	0.0077	6 1 23.0	7.673	0.435	90.5	43 247	5 4320
5700	9.0	30 1.09	3.1164	0.0069	2 1 37.7	7.672	0.423	89.4	31 38	1 3214

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
5701	8.2	$16^h\ 30^m\ 22^s.17$	$+3^s.2043$	$+0^s.0077$	$-6°\ 4'\ 31''.7$	$-7''.644$	$+0''.435$	91.0	43 349	5° 4321
5702	9.4	30 26.51	3.1819	0.0075	5 2 51.1	7.638	0.432	92.0	248 350	[4 4132]
5703	5.8	31 6.19	3.1183	0.0069	2 6 40.6	7.584	0.424		**Fund. Kat.**	2 4211
5704	7.8	31 27.85	3.2048	0.0077	6 5 25.0	7.555	0.436	91.9	244 346	5 4323
5705	9.0	31 29.45	3.1801	0.0074	4 57 24.5	7.553	0.433	92.0	248 349	4 4133
5706	8.5	16 31 33.66	+3.1893	+0.0075	−5 22 46.0	−7.547	+0.434	92.4	346 350	5 4324
5707	9.0	31 39.70	3.1471	0.0071	3 26 15.1	7.539	0.429	91.5	244 248	3 3971
5708	8.5	31 47.44	3.1259	0.0069	2 27 31.8	7.529	0.426	91.5	3 Beob.	2 4213
5709	9.0	31 48.85	3.1257	0.0069	2 26 48.0	7.527	0.426	95.2	4 Beob.	2 4214
5710	9.0	32 1.80	3.1232	0.0069	2 19 58.7	7.509	0.426	91.0	2 Beob.	2 4216
5711	9.1	16 32 7.12	+3.1343	+0.0070	−2 50 29.6	−7.502	+0.427	91.0	46 349	2 4217
5712	8.8	32 41.17	3.1488	0.0071	3 30 26.6	7.456	0.429	90.5	46 244	3 3973
5713	9.0	33 0.05	3.1984	0.0075	5 46 48.9	7.430	0.436	90.5	43 247	5 4328
5714	8.0	33 6.27	3.1211	0.0068	2 13 59.4	7.422	0.426	89.4	31 38	2 4219
5715	8.4	33 9.69	3.1681	0.0072	4 23 30.3	7.417	0.432	90.8	42 240 242	4 4139
5716	7.3	16 34 10.54	+3.1359	+0.0069	−2 54 32.6	−7.335	+0.429	89.4	31 38	2 4226
5717	8.0	34 27.46	3.1472	0.0070	3 25 21.8	7.312	0.431	90.5	42 247	3 3974
5718	8.5	34 37.66	3.1306	0.0068	2 39 35.3	7.298	0.428	90.5	38 244	2 4227
5719	6.6	34 41.57	3.2010	0.0075	5 52 54.2	7.293	0.438	90.5	43 244	5 4334
5720	8.7	35 38.25	3.1688	0.0071	4 24 18.8	7.216	0.434	90.8	42 240 242	4 4143
5721	7.0	16 35 55.06	+3.1305	+0.0067	−2 38 59.7	−7.193	+0.429	90.5	31 38 240 242	2 4230
5722	8.0	36 5.99	3.1605	0.0070	4 1 22.2	7.178	0.433	91.0	42 349	3 3978
5723	9.0	36 27.06	3.1252	0.0067	2 24 28.3	7.149	0.429	90.5	46 247	2 4231
5724	8.3	36 36.08	3.1153	0.0066	1 57 9.9	7.137	0.428	90.4	31 38 349	1 3230
5725	8.8	36 36.41	3.1160	0.0066	1 59 0.4	7.136	0.428	90.4	31 38 350	1 3231
5726	8.5	16 36 58.68	+3.1157	+0.0066	−1 58 6.9	−7.106	+0.428	91.0	38 350	1 3233
5727	9.2	37 7.60	3.2088	0.0074	6 12 33.5	7.094	0.441	90.8	43 240 242	[6 4489]
5728	8.1	37 22.05	3.1148	0.0065	1 55 29.0	7.074	0.428	90.5	46 247	1 3238
5729	7.3	37 56.17	3.1594	0.0069	3 57 38.6	7.028	0.435	90.5	5 Beob.	3 3982
5730	8.5	38 36.90	3.1282	0.0066	2 32 2.1	6.972	0.431	90.8	46 240 242	2 4234
5731	9.0	16 38 37.06	+3.1926	+0.0072	−5 27 54.5	−6.972	+0.439	96.6 95.4	3 Beob.	5 4343
5732	8.0	38 43.74	3.1262	0.0066	2 26 36.6	6.963	0.431	90.5	46 244	2 4235
5733	8.3	39 7.21	3.1935	0.0071	5 30 2.6	6.931	0.440	90.5	42 244	5 4344
5734	8.3	39 16.15	3.1372	0.0066	2 56 34.5	6.918	0.432	89.8	31 38 155	2 4239
5735	9.0	39 32.87	3.2072	0.0072	6 6 47.0	6.895	0.442	90.5	43 244	6 4493
5736	8.7	16 39 33.02	+3.1852	+0.0070	−5 7 14.1	−6.895	+0.439	91.0	43 349	5 4346
5737	6.9	39 57.52	3.1363	0.0066	2 54 0.3	6.862	0.433	91.0	155 248	2 4242
5738	8.4	40 7.42	3.1574	0.0068	3 51 18.3	6.848	0.436	89.4	31 38	3 3988
5739	9.0	40 22.50	3.1997	0.0071	5 46 4.6	6.827	0.442	90.8	42 240 242	5 4347
5740	9.1	40 49.58	3.1430	0.0066	3 11 48.8	6.790	0.434	91.2	42 155 348 349	[3 3991]
5741	7.8	16 41 24.03	+3.1390	+0.0065	−3 0 51.8	−6.743	+0.434	89.4	31 38	2 4246
5742	8.7	41 50.65	3.1369	0.0065	2 55 0.3	6.706	0.434	90.0	42 155	2 4248
5743	8.5	42 3.23	3.2062	0.0071	6 2 42.0	6.689	0.444	90.8	43 240 242	5 4350
5744	8.4	42 5.18	3.2087	0.0071	6 9 30.0	6.686	0.444	90.5	43 244	6 4499
5745	9.0	43 3.45	3.1464	0.0065	3 20 19.0	6.606	0.436	90.0	38 155	3 3996
5746	9.3	16 43 3.59	+3.1566	+0.0066	−3 48 11.3	−6.606	+0.437	90.5	42 244	[3 3997]
5747	9.0	43 30.35	3.1621	0.0066	4 2 57.9	6.569	0.438	91.5	244 248	3 4001
5748	8.3	43 34.07	3.1485	0.0065	3 26 4.2	6.564	0.437	90.5	46 244	3 4002
5749	6.9	43 34.23	3.1685	0.0067	4 20 13.6	6.564	0.439	91.5	240 242	4 4165
5750	9.3	43 37.85	3.1467	0.0065	3 21 4.6	6.559	0.436	90.0	46 155	[3 4003]

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5751	9.4	16h 43m 39s.18	+3s.1640	+0s.0066	−4° 8′ 0″.8	−6″.557	+0″.439	91.5	247 248	[4° 4167]
5752	9.0	43 39.34	3.1849	0.0068	5 4 22.8	6.557	0.442	92.4	346 349	4 4166
5753	8.5	43 40.35	3.1790	0.0067	4 48 30.9	6.555	0.441	92.4	348 350	4 4168
5754	8.7	43 48.59	3.1825	0.0068	4 58 1.5	6.544	0.442	92.4	3 Beob.	4 4169
5755	8.6	43 52.37	3.1827	0.0068	4 58 18.8	6.539	0.442	95.9	4 Beob.	4 4170
5756	9.2	16 43 58.88	+3.1406	+0.0064	−3 4 33.2	−6.530	+0.436	90.0	46 155	[2 4252]
5757	8.5	44 14.90	3.1293	0.0063	2 33 43.9	6.508	0.434	91.0	46 350	2 4254
5758	9.4	44 20.55	3.1875	0.0068	5 11 10.9	6.500	0.443	92.5	2 Beob.	[5 4358]
5759	9.3	44 41.99	3.1849	0.0067	5 4 6.2	6.470	0.442	92.4	2 Beob.	[4 4172]
5760	9.3	44 42.90	3.1408	0.0064	3 4 52.0	6.469	0.436	90.0	46 155	[3 4004]
5761	8.6	16 45 4.55	+3.1526	+0.0065	−3 36 30.0	−6.439	+0.438	95.9	4 Beob.	3 4007
5762	6.2	45 9.15	3.1276	0.0062	2 28 49.4	6.433	0.435	92.4	348 349	2 4259
5763	8.0	45 14.55	3.1492	0.0064	3 27 15.5	6.425	0.438	90.5	46 244	3 4008
5764	8.3	45 25.05	3.1429	0.0064	3 10 24.4	6.411	0.437	92.4	2 Beob.	3 4009
5765	8.2	45 53.29	3.1410	0.0063	3 4 58.1	6.372	0.437	90.5	5 Beob.	3 4011
5766	9.0	16 46 2.54	+3.1830	+0.0066	−4 58 17.5	−6.359	+0.443	92.0	248 349	4 4179
5767	8.8	46 4.90	3.2061	0.0068	6 0 18.4	6.356	0.446	90.5	43 244	5 4360
5768	8.8	46 29.18	3.1274	0.0062	2 28 0.9	6.322	0.436	91.4	155 348	2 4263
5769	9.0	46 35.42	3.1305	0.0062	2 36 31.9	6.314	0.436	90.5	38 244	2 4264
5770	7.0	46 54.16	3.1310	0.0062	2 37 47.6	6.288	0.436	90.4	31 38 350	2 4265
5771	8.8	16 46 54.25	+3.1675	+0.0065	−4 16 8.9	−6.288	+0.441	90.5	46 244	4 4183
5772	7.8	46 54.79	3.1976	0.0067	5 37 10.6	6.287	0.445	90.5	43 247	5 4364
5773	8.0	47 3.87	3.1570	0.0064	3 47 53.6	6.274	0.440	91.0	155 248	3 4014
5774	7.3	47 11.80	3.1834	0.0066	4 58 56.7	6.263	0.444	91.0	43 349	4 4185
5775	9.0	48 1.32	3.1752	0.0065	4 36 31.4	6.195	0.443	90.5	43 244	4 4187
5776	8.3	16 48 16.69	+3.1472	+0.0062	−3 21 5.5	−6.173	+0.439	90.4	31 38 350	3 4020
5777	6.8	48 28.26	3.1651	0.0064	4 9 11.8	6.157	0.442	90.7	46 155 240 242	4 4191
5778	7.3	48 51.59	3.1656	0.0063	4 10 22.8	6.125	0.442	90.0	46 155	4 4194
5779	7.3	49 10.52	3.1618	0.0063	4 0 3.3	6.099	0.442	89.4	31 38	3 4023
5780	5.3	49 14.90	3.2064	0.0066	5 59 24.7	6.092	0.448	90.5	43 247	5 4374
5781	9.0	16 49 16.91	+3.1750	+0.0064	−4 35 32.2	−6.090	+0.444	95.1	3 Beob.	4 4195
5782	8.8	49 23.07	3.1964	0.0065	5 32 51.8	6.081	0.447	91.0	43 349	5 4375
5783	9.0	49 37.34	3.1790	0.0064	4 46 6.0	6.061	0.444	90.5	46 247	4 4199
5784	8.9	49 43.75	3.2016	0.0066	5 46 23.3	6.052	0.448	91.5	240 242	5 4376
5785	8.5[1]	50 20.01	3.1845	0.0064	5 0 22.5	6.002	0.446	91.1	155 240 242	4 4202
5786	8.1	16 50 22.97	+3.1238	+0.0060	−2 17 35.7	−5.998	+0.437	90.4	31 38 350	2 4275
5787	7.5	50 27.92	3.2059	0.0066	5 57 42.0	5.991	0.449	90.5	43 244	5 4378
5788	8.7	50 39.34	3.1775	0.0063	4 41 38.5	5.975	0.445	90.8	46 244 248	4 4203
5789	8.8	51 7.38	3.1501	0.0061	3 27 56.9	5.936	0.441	90.0	46 155	3 4028
5790	8.8	51 35.75	3.1236	0.0059	2 16 52.6	5.896	0.438	90.4	31 38 350	2 4280
5791	8.9	16 51 52.52	+3.1964	+0.0064	−5 31 31.4	−5.873	+0.448	90.8	43 240 242	5 4383
5792	8.4	51 54.67	3.1367	0.0060	2 51 52.3	5.870	0.440	97.9	2 Beob.	2 4281
5793	7.0	52 24.62	3.1366	0.0059	2 51 38.0	5.828	0.440	90.8 90.7	46 240 242[2]	2 4283
5794	8.9	52 59.58	3.1415	0.0059	3 4 32.0	5.779	0.441	89.8	31 38 155	3 4035
5795	7.8	53 2.32	3.1665	0.0061	4 11 18.4	5.776	0.445	90.5	43 244	4 4206
5796	8.5	16 53 39.41	+3.1363	+0.0059	−2 50 33.9	−5.724	+0.441	90.5	46 244	2 4285
5797	8.9	53 53.21	3.1728	0.0061	4 27 58.2	5.705	0.446	89.8	31 38 155	4 4209
5798	9.0	53 53.77	3.2020	0.0063	5 45 41.8	5.704	0.450	90.8	43 240 242	5 4389
5799	8.6	54 10.48	3.2001	0.0063	5 40 34.0	5.680	0.450	90.8	43 240 242	5 4390
5800	7.3	54 32.69	3.1640	0.0060	4 4 14.4	5.649	0.445	90.5	43 247	3 4040

[1] Dupl. 2″ med. [2] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5801	8.0	16h 54m 40.72s	+3.1669s	+0.0060s	−4° 11′ 52.8″	−5.638″	+0.446″	91.0	46 349	4° 4212
5802	9.2	54 55.08	3.1187	0.0057	2 3 12.2	5.618	0.439	89.4	31 38	1 3279
5803	8.8	55 12.09	3.1637	0.0060	4 3 19.7	5.594	0.445	91.0	43 350	3 4042
5804	5.0	55 47.13	3.1642	0.0059	4 4 21.9	5.545	0.446		**Fund. Kat.**	4 4215
5805	9.0	55 52.10	3.1838	0.0061	4 56 33.4	5.538	0.449	91.0	46 349	4 4216
5806	8.8	16 56 1.77	+3.1642	+0.0059	−4 4 14.8	−5.525	+0.446	91.0	43 350	4 4217
5807	8.2	56 25.18	3.1541	0.0058	3 37 21.8	5.492	0.445	91.0	46 349	3 4048
5808	9.2	56 26.27	3.1604	0.0059	3 54 7.1	5.490	0.446	91.0	46 350	[3 4049]
5809	8.8	56 52.07	3.1212	0.0056	2 9 26.6	5.454	0.440	91.0	46 350	2 4291
5810	8.6	57 6.12	3.1732	0.0059	4 28 1.2	5.434	0.448	91.0	43 349	4 4221
5811	8.9	16 57 18.08	+3.1975	+0.0061	−5 32 21.1	−5.418	+0.451	90.5	46 244	5 4393
5812	7.2	57 36.29	3.2128	0.0062	6 12 33.3	5.392	0.454	90.0	43 155	6 4542
5813	8.9	57 56.01	3.1577	0.0058	3 46 24.7	5.364	0.446	89.5	34 40	3 4050
5814	7.8	58 48.12	3.1277	0.0055	2 26 34.1	5.291	0.442	94.8	3 Beob.	2 4294
5815	9.1	59 8.95	3.1307	0.0055	2 34 29.3	5.262	0.443	90.5	34 40 244 248	2 4295
5816	9.0	16 59 36.20	+3.1961	+0.0059	−5 27 37.1	−5.223	+0.452	90.5	46 244	5 4398
5817	7.5	59 51.56	3.1833	0.0058	4 53 37.6	5.202	0.450	90.7	43 155 240 242	4 4225
5818	9.0	59 57.24	3.1323	0.0055	2 38 35.9	5.194	0.443	89.5	34 40	2 4299
5819	9.3	17 0 1.85	3.1839	0.0058	4 55 19.7	5.187	0.451	90.8	43 240 242	[4 4226]
5820	8.3	0 47.71	3.2092	0.0059	6 1 45.8	5.123	0.455	90.0	43 155	5 4401
5821	9.0	17 1 11.49	+3.1451	+0.0055	−3 12 20.9	−5.089	+0.446	90.2	34 40 248	3 4060
5822	8.5	1 17.21	3.1282	0.0054	2 27 22.7	5.081	0.443	90.8	46 240 242	2 4301
5823	8.5	1 37.97	3.1213	0.0053	2 9 3.8	5.052	0.443	90.0	46 155	2 4302
5824	7.3	1 59.89	3.1345	0.0054	2 43 52.6	5.021	0.445	90.8	46 240 242	2 4304
5825	9.0	2 2.11	3.1742	0.0056	4 28 57.2	5.018	0.450	90.8	43 244 248	4 4230
5826	7.8	17 2 45.07	+3.1678	+0.0055	−4 11 48.3	−4.957	+0.450	89.8 89.7	34 40 155	4 4233
5827	8.8	3 3.68	3.1898	0.0057	5 9 52.7	4.931	0.453	90.5	43 244	5 4408
5828	8.0	3 30.47	3.1876	0.0056	5 3 45.7	4.893	0.453	90.5	43 244	5 4409
5829	8.5	3 31.89	3.1175	0.0052	1 58 40.6	4.891	0.443	90.5	46 247	1 3296
5830	6.7	3 38.91	3.1577	0.0054	3 44 55.9	4.881	0.449	90.7	46 155 240 242	3 4063
5831	9.4	17 3 55.24	+3.1646	+0.0055	−4 3 5.6	−4.858	+0.450	90.1	34 40 244	[3 4064]
5832	8.8	4 57.48	3.1797	0.0055	4 42 29.4	4.770	0.452	90.1	34 40 244	4 4239
5833	8.3	5 36.83	3.1956	0.0055	5 24 16.1	4.714	0.455	95.5	3 Beob.	5 4412
5834	7.3	6 25.60	3.1755	0.0054	4 31 5.9	4.645	0.452	90.5	5 Beob.	4 4243
5835	7.8	6 33.82	3.1460	0.0052	3 13 33.3	4.633	0.448	91.5	240 242	3 4072
5836	8.7	17 7 2.75	+3.1701	+0.0053	−4 16 53.2	−4.592	+0.452	91.5	155 248 349	4 4244
5837	8.2	7 28.63	3.1622	0.0052	3 55 56.9	4.555	0.451	89.5	34 40[1]	3 4074
5838	8.8	7 30.09	3.1653	0.0052	4 4 9.7	4.553	0.451	91.5	240 242	4 4245
5839	8.4	7 38.79	3.1215	0.0050	2 8 49.7	4.541	0.445	91.6	244 249 251	2 4313
5840	8.4	8 0.01	3.1874	0.0053	5 1 53.1	4.511	0.455	91.0	155 248	4 4247
5841	8.5	17 8 24.09	+3.1312	+0.0050	−2 34 3.9	−4.476	+0.447	90.1	34 40 244	2 4314
5842	9.0	8 40.02	3.1588	0.0051	3 46 49.3	4.454	0.451	91.5	240 242	3 4077
5843	7.2	9 6.60	3.1649	0.0051	4 2 43.2	4.416	0.452	91.5	5 Beob.	3 4079
5844	7.4	9 19.54	3.1723	0.0052	4 22 5.2	4.398	0.453	91.5	240 242	4 4252
5845	7.5	9 45.52	3.1271	0.0049	2 23 18.9	4.361	0.447	89.8	34 40 155	2 4321
5846	9.0	17 11 2.77	+3.1526	+0.0050	−3 29 56.0	−4.251	+0.451	89.5	34 40	3 4083
5847	5.8	11 21.25	3.2132	0.0052	6 8 0.9	4.224	0.460	91.8	244 249 250^{a} 348	6 4575
5848	8.3	11 43.00	3.1358	0.0048	2 45 48.4	4.193	0.449	92.0	248 350	2 4326
5849	7.8	12 2.58	3.1876	0.0051	5 1 16.8	4.165	0.456	91.9	249 250^{a} 348	4 4258
5850	8.8	12 22.51	3.1894	0.0051	5 5 57.3	4.137	0.457	91.9	249 250^{a} 348	5 4422

[1] Dupl.? (= Σ 2132)

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5851	8.9	17h 13m 22s.39	+3s.1682	+0s.0049	−4° 10′ 23″.4	−4″.051	+0″.454	91.5	244 248	4° 4261
5852	6.1	13 37.63	3.1345	0.0047	2 42 10.4	4.030	0.450	91.0	5 Beob.	2 4330
5853	8.2	13 40.25	3.1689	0.0049	4 12 7.2	4.026	0.454	91.6	247 251	4 4262
5854	7.0	14 7.73	3.1332	0.0047	2 38 39.7	3.987	0.450	90.5	49 244	2 4332
5855	7.3	14 33.56	3.1631	0.0048	3 56 42.5	3.950	0.454	90.7	5 Beob.	3 4087
5856	6.5	17 14 38.39	+3.2061	+0.0050	−5 48 31.1	−3.943	+0.460	91.0	155 248	5 4426
5857	9.0	14 46.93	3.1285	0.0046	2 26 5.5	3.931	0.449	90.8	49 157 349	2 4336
5858	8.3	14 58.69	3.1968	0.0049	5 24 23.6	3.914	0.459	91.6	247 249 250a 251	5 4429
5859	8.3	15 20.50	3.1259	0.0046	2 19 13.1	3.883	0.449	90.0	49 155	2 4338
5860	9.0	15 31.49	3.2122	0.0050	6 4 12.4	3.867	0.461	91.2	157 244 251	6 4582
5861	8.8	17 15 52.51	+3.1810	+0.0048	−4 43 5.8	−3.837	+0.457	90.4	34 40 349	4 4266
5862	8.6	16 56.75	3.1534	0.0046	3 30 49.3	3.745	0.453	90.2	34 40 247	3 4091
5863	8.5	17 7.97	3.1794	0.0047	4 38 28.6	3.729	0.457	91.0	155 248	4 4269
5864	9.1	17 14.12	3.2005	0.0048	5 33 15.2	3.720	0.460	91.3	157 244 249 251	[5 4434]
5865	8.4	17 29.43	3.1562	0.0046	3 38 3.6	3.698	0.454	91.0	157 248	3 4092
5866	6.3	17 17 38.20	+3.1252	+0.0045	−2 17 20.2	−3.685	+0.450	90.0	49 155	2 4343
5867	8.2	18 2.81	3.1957	0.0047	5 20 35.5	3.650	0.460	91.5	157 249 250a 348	5 4436
5868	7.4	18 12.81	3.1422	0.0045	3 1 37.7	3.636	0.452	90.1	34 40 244	2 4346
5869	9.1	18 17.50	3.1323	0.0044	2 35 37.5	3.629	0.451	97.4	2 Beob.	[2 4347]
5870	8.5	18 46.37	3.1323	0.0044	2 35 31.9	3.588	0.451	90.5	49 155 244	2 4348
5871	8.0	17 18 56.29	+3.1932	+0.0046	−5 13 56.4	−3.573	+0.460	91.5	5 Beob.	5 4438
5872	8.5	20 26.97	3.1484	0.0044	3 17 12.8	3.443	0.454	89.8	34 40 157	3 4097
5873	8.9	20 47.51	3.1956	0.0045	5 19 48.6	3.414	0.461	91.5 91.6	5 Beob.	5 4444
5874	**4.5**	**21 19.46**	**3.1880**	**0.0045**	**4 59 53.7**	**3.368**	**0.460**		**Fund. Kat.**	4 4275
5875	8.8	22 3.24	3.2031	0.0045	5 38 56.7	3.305	0.462	89.9	41a[1] 47 155	5 4447
5876	8.1	17 22 4.19	+3.1258	+0.0042	−2 18 26.5	−3.304	+0.451	90.5	49 247	2 4357
5877	9.0	22 16.27	3.1704	0.0043	4 14 15.4	3.286	0.458	91.8	247 249 348	4 4282
5878	8.2	22 29.46	3.1428	0.0042	3 2 27.0	3.267	0.454	89.5	34 40	3 4105
5879	9.0	22 31.22	3.2139	0.0045	6 6 34.1	3.265	0.464	91.5	157 248 350	6 4597
5880	9.4	22 36.92	3.1185	0.0041	1 59 12.4	3.256	0.450	90.5	49 244	[1 3336]
5881	8.9	17 23 11.40	+3.1531	+0.0042	−3 29 16.0	−3.207	+0.455	90.8	49 155 350	3 4106
5882	8.5	23 22.36	3.2011	0.0044	5 33 24.4	3.191	0.462	89.5	5 Beob.	5 4449
5883	9.1	23 59.25	3.1197	0.0041	2 2 21.0	3.138	0.451	89.8	34 40 157	[2 4368]
5884	6.6	24 26.59	3.2078	0.0043	5 50 15.2	3.099	0.463	89.5	5 Beob.	5 4450
5885	9.0	24 41.45	3.1819	0.0042	4 43 22.3	3.077	0.460	91.5	5 Beob.	4 4289
5886	9.1	17 24 44.05	+3.1206	+0.0040	−2 4 37.0	−3.073	+0.451	97.0	2 Beob.	[2 4373]
5887	8.7	24 53.18	3.1167	0.0040	1 54 24.5	3.060	0.451	90.0	49 157	1 3346
5888	6.9	25 2.57	3.1719	0.0042	4 17 27.0	3.047	0.458	89.8	34 40 161	4 4290
5889	8.7	25 11.66	3.2118	0.0043	6 0 22.4	3.034	0.464	91.1	162 248	5 4453
5890	9.0	25 19.15	3.1223	0.0040	2 8 53.3	3.023	0.451	90.5	49 244	2 4374
5891	8.5	17 25 19.55	+3.1941	+0.0042	−5 14 46.2	−3.022	+0.462	91.1	161 251	5 4454
5892	8.5	25 27.32	3.1331	0.0040	2 36 56.1	3.011	0.453	90.1	49 162	2 4375
5893	8.3	25 33.36	3.1614	0.0041	3 50 19.3	3.002	0.457	91.3	157 249 250a 251[2]	3 4116
5894	9.1	25 35.26	3.2012	0.0042	5 33 3.6	3.000	0.463	89.7	5 Beob.	[5 4455]
5895	6.8	25 48.48	3.1362	0.0040	2 45 0.1	2.980	0.454	91.0	5 Beob.	2 4377
5896	8.7	17 26 8.95	+3.1843	+0.0041	−4 49 26.0	−2.951	+0.460	90.7	6 Beob.	4 4293
5897	8.0	26 14.32	3.1295	0.0040	2 27 36.9	2.943	0.453	90.5	49 244	2 4381
5898	8.6	26 16.85	3.1531	0.0040	3 28 45.4	2.940	0.456	91.8	244 253 348	3 4120
5899	8.8	26 28.77	3.2022	0.0042	5 35 23.9	2.922	0.463	91.5	157 253 348	5 4457
5900	9.1	27 9.97	3.1730	0.0040	4 19 58.1	2.863	0.459	90.5	34 161 248	[4 4294]

[1] ½ [2] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
5901	9.1	17^h 27^m 12^s.94	+3^s.1348	+0^s.0039	−2° 41′ 13″.3	−2″.859	+0″.454	90.5	49 157 244	[2° 4387]
5902	8.8	27 14.80	3.2163	0.0042	6 11 39.7	2.856	0.465	90.5	5 Beob.	6 4609
5903	8.8	27 40.62	3.1776	0.0040	4 31 48.8	2.819	0.460	91.3	162 247 249 250[a]	4 4296
5904	8.1	27 43.11	3.1486	0.0039	3 16 55.3	2.815	0.456	91.1	161 251	3 4125
5905	6.2	28 9.50	3.2042	0.0041	5 40 17.0	2.777	0.464	91.5	5 Beob.	5 4461
5906	8.7	17 28 11.66	+3.1506	+0.0039	−3 21 54.4	−2.774	+0.456	90.5	34 157 248	3 4127
5907	8.9	28 41.38	3.1172	0.0038	1 55 22.9	2.731	0.451	90.6	49 161 244	1 3356
5908	7.0	28 54.34	3.1418	0.0038	2 59 8.8	2.712	0.455	90.0	49 155	2 4398
5909	8.5	29 3.69	3.1867	0.0040	4 55 9.0	2.699	0.462	89.5	5 Beob.	4 4301
5910	8.9	29 50.81	3.1559	0.0038	3 35 28.3	2.631	0.457	89.8	34 40 161	3 4129
5911	7.5	17 30 9.00	+3.2089	+0.0039	−5 51 55.5	−2.604	+0.465	89.5	5 Beob.	5 4465
5912	7.5	30 17.25	3.1382	0.0037	2 49 33.9	2.592	0.455	90.0	49 155	2 4402
5913	6.8	30 21.05	3.2134	0.0039	6 3 22.3	2.587	0.466	91.2	157 248 251	6 4618
5914	8.5	30 29.21	3.2153	0.0039	6 8 10.7	2.575	0.466	91.4	161 249 250[a] 253	6 4619
5915	8.0	30 32.60	3.2136	0.0039	6 3 51.7	2.570	0.466	97.4	2 Beob.	6 4620
5916	8.9	17 30 33.98	+3.1861	+0.0039	−4 53 12.1	−2.568	+0.462	91.6	244 251	4 4307
5917	7.8	30 36.48	3.1682	0.0038	4 7 10.1	2.565	0.459	91.6	244 251	4 4308
5918	7.9	30 53.66	3.1565	0.0038	3 36 54.2	2.540	0.458	89.8	34 40 162	3 4132
5919	9.0	31 10.60	3.1261	0.0037	2 18 22.4	2.515	0.453	90.0	49 155	2 4405
5920	8.4	31 22.93	3.1221	0.0036	2 8 1.6	2.497	0.453	91.8	247 249 250[a] 348	2 4408
5921	9.0	17 31 37.28	+3.1488	+0.0037	−3 16 58.8	−2.477	+0.457	89.5	5 Beob.	3 4135
5922	8.5	31 46.33	3.1354	0.0036	2 42 19.5	2.464	0.455	97.4	2 Beob.	2 4410
5923	7.3	32 6.49	3.1380	0.0036	2 48 53.4	2.434	0.455	91.8	249 250[a] 251 348	2 4413
5924	8.6	32 11.23	3.1412	0.0036	2 57 9.8	2.427	0.456	91.8	247 249 250[a] 348	2 4414
5925	8.5	32 13.15	3.1681	0.0037	4 6 39.1	2.425	0.460	91.1	162 248	4 4315
5926	8.0	17 32 31.65	+3.1586	+0.0036	−3 42 7.1	−2.398	+0.458	91.6	162 253 351	3 4143
5927	8.8	32 34.13	3.1915	0.0037	5 6 54.8	2.394	0.463	89.2	(1) 35 41[a][1] 47	5 4467
5928	9.3	33 2.61	3.1425	0.0036	3 0 32.7	2.353	0.456	90.1	49 161	2 4418
5929	8.5	33 19.05	3.1792	0.0037	4 35 1.3	2.329	0.462	91.3	157 249 250[a] 251	4 4321
5930	8.8	33 28.76	3.2031	0.0037	5 36 26.6	2.315	0.465	91.6	244 251	5 4472
5931	8.2	17 33 43.27	+3.1996	+0.0037	−5 27 23.6	−2.294	+0.464	91.6	162 253 348	5 4475
5932	8.6	34 11.74	3.2077	0.0037	5 48 9.4	2.253	0.466	89.5	5 Beob.	5 4476
5933	9.0	34 19.90	3.1404	0.0035	2 54 54.0	2.241	0.456	90.1	49 161	2 4422
5934	8.3	34 26.55	3.1869	0.0036	4 54 46.1	2.231	0.463	89.5	34 40	4 4324
5935	7.7	34 28.38	3.1869	0.0036	4 54 44.7	2.229	0.463	90.1	34 40 244	4 4325
5936	9.0	17 34 44.91	+3.1968	+0.0036	−5 20 5.6	−2.205	+0.464	91.0	157 248	5 4477
5937	7.3	34 54.41	3.1536	0.0035	3 28 53.7	2.191	0.458	91.3	155 249 250[a] 251	3 4150
5938	6.2	34 59.69	3.1214	0.0034	2 5 51.7	2.183	0.453	90.1	49 161	2 4425
5939	8.0	35 17.23	3.1380	0.0034	2 48 38.3	2.158	0.456	90.0	49 157	2 4427
5940	9.0	35 22.41	3.1524	0.0035	3 25 47.9	2.151	0.458	94.5	3 Beob.	3 4153
5941	9.0	17 35 26.95	+3.1957	+0.0035	−5 17 15.3	−2.144	+0.464	89.5	5 Beob.	5 4480
5942	8.3	35 47.92	3.2113	0.0036	5 57 11.6	2.114	0.467	91.0	155 251	5 4481
5943	9.0	35 53.49	3.1159	0.0033	1 51 34.9	2.105	0.453	90.1	49 161	1 3376
5944	8.7	36 41.35	3.1608	0.0034	3 47 23.9	2.036	0.459	89.8	34 40 162	3 4155
5945	8.8	36 51.81	3.1711	0.0034	4 13 47.1	2.021	0.461	89.7	6 Beob.	4 4330
5946	8.5	17 37 6.72	+3.1825	+0.0034	−4 43 10.2	−1.999	+0.463	91.5	244 248	4 4331
5947	6.5	37 16.47	3.1844	0.0034	4 48 3.4	1.985	0.463	91.5	155 253 348	4 4332
5948	7.8	37 16.60	3.1279	0.0033	2 22 28.7	1.985	0.455	90.5	49 244	2 4433
5949	8.7	37 20.14	3.1603	0.0033	3 46 4.3	1.980	0.459	91.6	244 251	3 4157
5950	9.0	37 25.39	3.1877	0.0034	4 56 30.5	1.972	0.463	91.8	157 348 350	4 4333

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
5951	7.8	$17^h\ 37^m\ 58^s.40$	$+3^s.1250$	$+0^s.0032$	$-2°\ 15'\ 1''.4$	$-1''.924$	$+0''.454$	89.5	34 40	2° 4436
5952	8.9	38 8.60	3.1409	0.0033	2 56 4.1	1.909	0.457	90.0	49 155	2 4437
5953	9.5	38 19.02	3.1159	0.0032	1 51 28.2	1.894	0.453	90.5	49 244	[1 3382]
5954	8.6	38 23.04	3.1463	0.0032	3 9 53.9	1.888	0.458	91.0	157 248	3 4159
5955	8.9	38 27.23	3.1179	0.0032	1 56 39.8	1.882	0.453	91.0	49 350	1 3383
5956	7.5	17 38 28.60	+3.1626	+0.0033	−3 51 53.8	−1.880	+0.460	91.8	247 249 250[a] 348	3 4160
5957	7.4	38 39.63	3.2099	0.0034	5 53 1.8	1.864	0.467	89.2	(1) 35 41[a1] 47	5 4488
5958	8.8	38 45.49	3.1778	0.0033	4 30 52.1	1.856	0.462	91.6	247 251	4 4339
5959	9.2	39 10.10	3.1613	0.0032	3 48 22.2	1.820	0.460	89.5	34 40	[3 4164]
5960	9.0	39 14.23	3.1200	0.0031	2 2 10.0	1.814	0.454	90.5	49 244	2 4439
5961	9.0	17 39 36.88	+3.1869	+0.0032	−4 54 4.9	−1.781	+0.464	91.2	155 249 251	4 4341
5962	8.9	39 38.04	3.1406	0.0032	2 55 5.5	1.780	0.457	94.8	3 Beob.	2 4441
5963	7.3	39 59.79	3.1360	0.0031	2 43 10.4	1.748	0.456	90.7	5 Beob.	2 4443
5964	8.6	40 18.59	3.1742	0.0032	4 21 18.3	1.721	0.462	89.2	(1) 35 41[a1] 47	4 4346
5965	7.6	40 18.67	3.1533	0.0031	3 27 48.1	1.721	0.459	89.9 90.1	5 Beob.	3 4168
5966	(8.9)[2]	17 41 14.63	+3.1762	+0.0031	−4 26 26.6	−1.639	+0.462	91.5	155 249 253 348	4 4349
5967	7.5	41 18.84	3.1384	0.0030	2 49 14.8	1.633	0.457	90.2	34 40 247	2 4446
5968	8.2	41 18.87	3.1628	0.0031	3 52 6.2	1.633	0.460	90.0 90.3	6 Beob.	3 4171
5969	9.0	41 24.89	3.1249	0.0030	2 14 37.9	1.624	0.455	94.9	3 Beob.	2 4448
5970	8.4	41 24.93	3.1662	0.0031	4 0 52.3	1.624	0.461	91.0	157 251	3 4172
5971	9.1	17 41 30.63	+3.1389	+0.0030	−2 50 37.9	−1.616	+0.457	90.1	49 161	2 4449
5972	8.0	41 36.75	3.2167	0.0032	6 10 3.9	1.607	0.468	89.5	5 Beob.	6 4648
5973	9.0	42 8.32	3.1896	0.0031	5 0 46.5	1.561	0.464	91.6	244 253	4 4351
5974	8.5	42 26.67	3.1568	0.0030	3 36 26.7	1.534	0.460	90.3 90.5	7 Beob.	3 4177
5975	8.0	43 24.34	3.1231	0.0029	2 9 44.6	1.451	0.455	90.1	40 162	2 4458
5976	9.2	17 43 52.02	+3.1697	+0.0029	−4 9 41.0	−1.410	+0.462	90.3 90.5	7 Beob.	[4 4355]
5977	8.5	44 20.79	3.1239	0.0028	2 11 51.4	1.369	0.455	90.0	34 40 161 162	2 4461
5978	9.0	44 51.57	3.1311	0.0028	2 30 24.1	1.324	0.456	90.3 90.5	6 Beob.	2 4465
5979	8.2	45 25.72	3.1965	0.0029	5 18 3.2	1.274	0.466	89.7	6 Beob.	5 4509
5980	9.0	45 46.36	3.1387	0.0028	2 49 47.7	1.244	0.457	91.3	4 Beob.	2 4469
5981	8.7	17 45 50.95	+3.1697	+0.0028	−4 9 24.3	−1.237	+0.462	89.9 90.1	7 Beob.	4 4360
5982	9.0	46 25.20	3.2035	0.0028	5 35 50.4	1.188	0.467	89.5	(1) 35 47 161	5 4511
5983	8.0	46 27.78	3.1708	0.0028	4 12 18.0	1.184	0.462	90.5	49 244	4 4363
5984	7.8	46 45.22	3.1836	0.0027	4 45 2.8	1.158	0.464	89.8	34 40 162	4 4365
5985	9.1	46 51.56	3.1421	0.0027	2 58 25.7	1.149	0.458	90.1 90.2	6 Beob.	2 4476
5986	8.5	17 46 58.56	+3.1990	+0.0027	−5 24 19.6	−1.139	+0.466	91.0	157 248	5 4514
5987	8.5	47 5.04	3.1426	0.0027	2 59 55.6	1.129	0.458	90.3	34[a1] 49 244	2 4477
5988	9.0	47 6.59	3.2060	0.0027	5 42 10.5	1.127	0.467	91.5	157 253 351	5 4516
5989	8.3	47 13.27	3.1653	0.0027	3 58 1.8	1.117	0.461	91.9	247 253 351	3 4189
5990	8.8	47 14.63	3.1964	0.0027	5 17 40.5	1.116	0.466	92.4	348 350	5 4517
5991	6.0	17 47 17.02	+3.2158	+0.0028	−6 7 8.9	−1.112	+0.469	91.9	3 Beob.	6 4672
5992	6.7	47 17.53	3.1951	0.0027	5 14 13.9	1.111	0.466	91.8	4 Beob.	5 4519
5993	8.0	47 20.91	3.1464	0.0027	3 9 33.4	1.106	0.459	90.1	49 161	3 4192
5994	7.3	47 31.92	3.1553	0.0027	3 32 25.7	1.090	0.460	92.4	348 350	3 4193
5995	7.8	47 32.24	3.1972	0.0027	5 19 36.5	1.090	0.466	90.1	(1) 251	5 4521
5996	8.8	17 47 35.02	+3.1565	+0.0027	−3 35 28.6	−1.086	+0.460	91.6	249 250[a]	3 4194
5997	8.0	47 46.79	3.1248	0.0026	2 14 3.2	1.069	0.455	91.6	2 Beob.	2 4480
5998	8.7	47 50.18	3.1408	0.0027	2 55 11.8	1.064	0.458	90.8 91.1	(1[a])[1] (2)[3] 348 350	2 4481
5999	7.5	47 50.31	3.1323	0.0026	2 33 17.3	1.064	0.457	90.5	34 251	2 4482
6000	8.8	47 52.22	3.1724	0.0027	4 16 18.9	1.061	0.462	04.4	2 Beob.	4 4366

[1] ½ [2] Dupl. seq.; Com. $9^r\ 10^m$; Z. 249 obl. [3] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6001	7.2	17h 47m 54s.13	+3s.2108	+0s.0027	−5° 54′ 18″.8	−1″.058	+0″.468	92.6	3 Beob.	5° 4523
6002	8.3	48 7.73	3.1207	0.0026	2 3 22.9	1.038	0.455	90.5	49 244	2 4485
6003	9.0	48 11.93	3.1335	0.0026	2 36 26.4	1.032	0.457	91.5	3 Beob.	2 4486
6004	9.0	48 16.12	3.1635	0.0026	3 53 30.0	1.026	0.461	91.9	4 Beob.	3 4198
6005	8.8	48 31.77	3.1369	0.0026	2 45 3.8	1.003	0.457	91.8	4 Beob.	2 4487
6006	8.5	17 48 41.00	+3.1450	+0.0026	−3 5 48.0	−0.990	+0.459	91.5	244 248	3 4199
6007	7.9	48 58.77	3.1706	0.0026	4 11 30.0	0.964	0.462	90.4 90.7	6 Beob.	4 4371
6008	7.2	49 14.31	3.1530	0.0026	3 26 18.2	0.941	0.460	91.1 91.0	5 Beob.	3 4200
6009	9.2	49 31.94	3.1907	0.0026	5 2 59.3	0.915	0.465	96.5	2 Beob.	[5 4531]
6010	8.3	50 15.51	3.1907	0.0025	5 2 21.7	0.852	0.465	89.9	35 49 161	5 4534
6011	8.5	17 50 39.29	+3.1370	+0.0025	−2 45 21.2	−0.817	+0.457	89.9 90.1	7 Beob.	2 4500
6012	7.3	50 57.05	3.1793	0.0025	4 33 37.2	0.792	0.464	89.8	34 40 161	4 4374
6013	8.0	51 0.18	3.1966	0.0025	5 18 0.9	0.787	0.466	89.8	(1) 35 47 244	5 4537
6014	8.2	51 14.55	3.1379	0.0024	2 47 38.5	0.766	0.458	89.5	34 40	2 4504
6015	9.0	51 18.41	3.1246	0.0024	2 13 23.2	0.760	0.456	90.0 90.1	6 Beob.	2 4505
6016	6.3	17 51 30.91	+3.1677	+0.0024	−4 4 3.4	−0.742	+0.462	89.8	(1) 35 47 244	4 4376
6017	8.9	52 28.46	3.1351	0.0024	2 40 19.6	0.658	0.457	89.9 90.1	5 Beob.	2 4509
6018	8.7	52 33.36	3.2055	0.0024	5 40 26.8	0.651	0.467	91.0	157 248	5 4541
6019	9.2	52 36.58	3.1803	0.0024	4 36 9.4	0.646	0.464	91.3	161 249 251	[4 4379]
6020	9.0	52 43.40	3.1392	0.0023	2 50 49.8	0.637	0.458	89.5	34 40	2 4510
6021	8.3	17 52 58.48	+3.1227	+0.0023	−2 8 30.2	−0.615	+0.455	90.1	49 162	2 4511
6022	7.5	53 25.95	3.1994	0.0023	5 24 52.5	0.575	0.467	90.5	(1) 244 251	5 4542
6023	8.8	53 37.59	3.1546	0.0023	3 30 21.4	0.558	0.460	90.6 90.9	6 Beob.	3 4212
6024	7.3	53 45.29	3.1905	0.0023	5 2 18.3	0.546	0.465	91.9	249 250a 351	5 4543
6025	8.9	53 47.97	3.1353	0.0023	2 40 58.8	0.542	0.457	90.5	34 253	2 4518
6026	8.2	17 54 1.00	+3.2156	+0.0023	−6 6 13.2	−0.523	+0.469	90.3	(1) 35 255a 255	6 4690
6027	8.8	54 5.65	3.1596	0.0022	3 43 3.7	0.517	0.461	91.1	162 253	3 4213
6028	5.8	54 18.18	3.1852	0.0022	4 48 40.3	0.498	0.464	91.6	249 250a 251	4 4384
6029	8.9	54 29.01	3.1334	0.0022	2 35 57.3	0.483	0.457	91.0	49 350	2 4523
6030	8.9	54 34.29	3.1992	0.0022	5 24 31.0	0.475	0.467	91.0	47 350	5 4550
6031	9.0	17 54 40.43	+3.1616	+0.0022	−3 48 16.7	−0.466	+0.461	89.7 89.9	(1a)[1] (2)[2] 36 253	3 4216
6032	8.5	54 45.13	3.1301	0.0022	2 27 23.4	0.459	0.457	91.0	34 351	2 4525
6033	5.2	55 11.88	3.1588	0.0022	3 41 1.4	0.420	0.461	91.1	2 Beob.	3 4217
6034	8.0	55 17.61	3.1656	0.0022	3 58 28.5	0.412	0.462	91.9	3 Beob.	3 4219
6035	8.0	55 20.60	3.1264	0.0022	2 18 3.7	0.407	0.456	91.9	249 250a 351	2 4528
6036	8.8	17 55 34.00	+3.1969	+0.0022	−5 18 26.6	−0.388	+0.466	91.0	157 253	5 4555
6037	8.8	55 40.70	3.2155	0.0022	6 5 52.9	0.378	0.469	93.9	5 Beob.	6 4694
6038	9.0	55 42.40	3.2158	0.0021	6 6 32.3	0.376	0.469	04.4	2 Beob.	6 4695
6039	7.3	55 43.77	3.1328	0.0021	2 34 25.6	0.374	0.457	92.1	2 Beob.	2 4529
6040	9.0	55 44.86	3.1549	0.0021	3 31 3.2	0.372	0.460	92.1	2 Beob.	3 4221
6041	8.7	17 55 46.65	+3.1201	+0.0021	−2 1 52.3	−0.369	+0.455	91.9	3 Beob.	2 4530
6042	8.8	56 24.15	3.1821	0.0021	4 40 47.2	0.315	0.464	91.0	157 251	4 4386
6043	9.0	56 43.94	3.1225	0.0021	2 7 57.7	0.286	0.455	90.1	49 161	2 4533
6044	9.1	56 47.16	3.1618	0.0021	3 48 49.3	0.281	0.461	91.6	244 253 255	3 4223
6045	7.8	57 1.90	3.2069	0.0021	5 44 1.4	0.260	0.468	91.5	157 253 351	5 4559
6046	6.5	17 57 14.04	+3.1465	+0.0020	−3 9 28.0	−0.242	+0.459	91.6	244 249 250a 251	3 4225
6047	7.0	57 26.30	3.1981	0.0020	5 21 27.7	0.224	0.466	89.8	(1) 35 248	5 4560
6048	8.5	57 45.43	3.1246	0.0020	2 13 24.3	0.196	0.456	89.9	45 60 161	2 4535
6049	8.5[3]	57 46.70	3.1337	0.0020	2 36 42.1	0.194	0.457	90.1	49 162	2 4537
6050	8.5	57 48.37	3.1753	0.0020	4 23 12.2	0.192	0.463	91.3	157 249 250a 255	4 4388

[1] ½ [2] δ ½ [3] Dupl. med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6051	8.5	17h 58m 7s.30	+3s.1598	+0s.0020	−3° 43′ 45″.4	−0″.164	+0″.461	90.3 90.5	(2)[1] 36 244 251	3° 4231
6052	8.9	58 36.88	3.1563	0.0020	3 34 54.9	0.121	0.460	89.9	45 60 162	3 4232
6053	8.9	58 40.06	3.2122	0.0019	5 57 18.6	0.117	0.468	89.5	(1) 35 47 161	5 4564
6054	9.0	59 22.72	3.1675	0.0019	4 3 16.6	0.054	0.462	90.6 90.7	6 Beob.	4 4390
6055	8.8	59 49.02	3.1434	0.0019	3 1 37.8	0.016	0.458	90.1	45 161	3 4233
6056	9.1	18 0 4.21	+3.1303	+0.0019	−2 27 54.1	+0.006	+0.456	90.9	49 244 255	[2 4544]
6057	8.7	0 19.81	3.2043	0.0018	5 37 13.9	0.029	0.467	89.8	(1) 35 47 247	5 4567
6058	8.4	0 20.45	3.1188	0.0019	1 58 20.6	0.030	0.455	90.1 90.3	(2)[1] 36 162 251	1 3444
6059	7.9	0 24.70	3.1792	0.0018	4 33 7.7	0.036	0.464	90.8	5 Beob.	4 4394
6060	6.0	0 55.71	3.1840	0.0018	4 45 32.4	0.081	0.464	89.2	(1) 35 47	4 4395
6061	9.1	18 0 59.05	+3.1833	+0.0018	−4 43 47.1	+0.086	+0.464	89.6	(1) 47 161	4 4396
6062	8.9	1 14.28	3.1437	0.0018	3 2 22.5	0.108	0.458	89.9	45 60 162	3 4236
6063	9.0	1 21.53	3.1915	0.0018	5 4 35.8	0.119	0.465	90.3 90.5	5 Beob.	5 4571
6064	7.0	1 40.58	3.1485	0.0018	3 14 46.0	0.147	0.459	91.0	157 248	3 4237
6065	8.4	1 45.55	3.1226	0.0018	2 8 17.7	0.154	0.455	90.5	49 244	2 4549
6066	9.0	18 1 59.30	+3.1208	+0.0018	−2 3 31.5	+0.174	+0.455	90.5	49 244	2 4551
6067	8.3	2 17.38	3.1317	0.0017	2 31 39.0	0.200	0.457	90.0 90.3	(2)[1] 36 162 248	2 4552
6068	8.6	2 43.83	3.1320	0.0017	2 32 23.2	0.239	0.457	90.6 90.8	5 Beob.	2 4554
6069	9.2	2 52.28	3.2127	0.0016	5 58 38.7	0.251	0.468	89.2	(1) 35 47	[5 4574]
6070	9.0	2 56.96	3.1205	0.0017	2 2 56.3	0.258	0.455	94.6	3 Beob.	2 4556
6071	7.5	18 3 1.58	+3.1797	+0.0017	−4 34 27.5	+0.265	+0.463	91.5	157 253 351	4 4403
6072	9.0	3 11.74	3.1912	0.0016	5 3 56.4	0.280	0.465	91.4	161 249 253 255	5 4576
6073	8.4	3 12.22	3.1688	0.0016	4 6 34.3	0.280	0.462	91.6	244 251	4 4404
6074	8.0	3 19.33	3.1768	0.0016	4 27 16.2	0.291	0.463	91.3	162 253 255	4 4405
6075	6.5	3 24.93	3.1409	0.0017	2 55 19.8	0.299	0.458	90.5	49 244	2 4558
6076	8.3	18 3 27.16	+3.2048	+0.0016	−5 38 34.3	+0.302	+0.467	91.6	247 249 255	5 4577
6077	7.8	3 29.27	3.1663	0.0016	4 0 19.7	0.305	0.462	90.6	60 251	4 4406
6078	8.5	4 3.29	3.1800	0.0016	4 35 26.6	0.355	0.464	91.0	157 248	4 4407
6079	8.3	4 3.54	3.1427	0.0016	2 59 47.6	0.355	0.458	90.5 90.8	5 Beob.	3 4242
6080	7.5	4 15 82	3.2054	0.0015	5 40 6.5	0.373	0.467	89.5	(1) 35 47 162	5 4582
6081	9.4	18 4 20.17	+3.1186	+0.0016	−1 57 58.6	+0.379	+0.454	90.5	49 244	[1 3454]
6082	8.8	4 34.10	3.1643	0.0016	3 55 6.6	0.400	0.461	89.9	45 60 162	3 4244
6083	9.2	5 18.20	3.1697	0.0015	4 9 4.9	0.464	0.462	89.6	(1) 47 161	[4 4411]
6084	7.9	5 27.70	3.1425	0.0015	2 59 22.7	0.478	0.458	90.3 90.5	5 Beob.	2 4564
6085	6.3	6 7.35	3.1949	0.0014	5 13 34.3	0.536	0.466	90.2	45 60 247	5 4586
6086	8.7	18 6 14.72	+3.2143	+0.0014	−6 2 57.9	+0.546	+0.468	91.2	157 249 251	6 4722
6087	9.0	6 14.97	3.2077	0.0014	5 46 7.2	0.547	0.467	90.1	49 161	5 4587
6088	7.5	6 27.31	3.1368	0.0015	2 44 50.0	0.565	0.457	90.3 90.5	(2)[1] 36 244 248	2 4566
6089	7.0	6 34.94	3.2048	0.0014	5 38 47.9	0.576	0.467	89.2	(1) 35 47	5 4589
6090	8.5	6 48.09	3.1975	0.0014	5 20 10.4	0.595	0.466	90.2	45 60 244	5 4590
6091	8.9	18 6 55.75	+3.1260	+0.0014	−2 16 53.4	+0.606	+0.455	90.1	49 162	2 4568
6092	8.3	7 8.43	3.2150	0.0013	6 4 41.4	0.625	0.468	91.0	157 251	6 4725
6093	9.0	7 8.54	3.2100	0.0013	5 51 50.5	0.625	0.468	91.4	161 253 255[a] 255	5 4592
6094	8.1	7 20.53	3.1547	0.0014	3 30 34.8	0.642	0.460	90.0 90.3	(2)[1] 36[2] 251	3 4252
6095	9.0	7 27.72	3.1931	0.0013	5 8 59.3	0.653	0.465	89.6	45 60	5 4593
6096	7.8	18 7 41.56	+3.1847	+0.0013	−4 47 23.1	+0.673	+0.464	91.0	157 251	4 4414
6097	9.0	7 48.17	3.2010	0.0013	5 29 11.2	0.683	0.466	89.8	(1) 35 47 244	5 4595
6098	6.8	7 53.15	3.1670	0.0013	4 2 16.2	0.690	0.461	90.1	49 162	4 4415
6099	8.2	8 3.30	3.1529	0.0013	3 25 57.8	0.705	0.459	90.2	45 60 247	3 4254
6100	8.7	8 20.11	3.1431	0.0013	3 0 48.9	0.729	0.458	90.1 90.4	(2)[1] 36[2] 162 248	3 4255

[1] δ ½ [2] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6101	9.0	18h 8m 42s.26	+3s.1586	+0s.0013	−3° 40′ 44″.0	+0″.761	+0″.460	90.1	49 161	3° 4256
6102	7.8	9 9.44	3.2038	0.0012	5 36 13.0	0.801	0.466	89.2	(1) 35 47	5 4602
6103	8.4	9 13.57	3.1348	0.0013	2 39 16.4	0.807	0.456	89.6	36 60	2 4577
6104	8.9	9 18.66	3.1953	0.0012	5 14 35.8	0.814	0.465	91.0	157 251	5 4604
6105	7.8	9 23.23	3.1341	0.0013	2 37 56.6	0.821	0.456	89.9 90.0	6 Beob.	2 4578
6106	9.0	18 9 26.90	+3.1829	+0.0012	−4 43 0.3	+0.826	+0.463	91.0	5 Beob.	4 4423
6107	8.9	9 28.41	3.1829	0.0012	4 42 49.0	0.829	0.463	91.0	49 255a 255	4 4424
6108	(8.5)[1]	9 34.55	3.1319	0.0013	2 32 20.1	0.838	0.456	90.1	45 162	2 4579
6109	9.0	10 8.25	3.2130	0.0011	5 59 54.0	0.887	0.468	91.3	157 247 251 253	6 4731
6110	7.0	10 14.14	3.2014	0.0011	5 30 20.6	0.895	0.466	89.2	(1) 35 47	5 4608
6111	7.5	18 10 27.25	+3.1518	+0.0012	−3 23 23.2	+0.914	+0.459	90.3 90.5	(2)[2] 36 244 248	3 4257
6112	6.6	10 42.07	3.1579	0.0012	3 39 1.3	0.936	0.460	90.2	45 60 244	3 4259
6113	8.6	11 15.02	3.1677	0.0011	4 4 14.6	0.984	0.461	89.5	(1) 35 47 162	4 4430
6114	6.5	11 38.55	3.1435	0.0011	3 2 1.6	1.018	0.457	90.0 90.2	(2)[3] 36 157 248	3 4263
6115	9.0	11 58.43	3.1160	0.0011	1 51 30.5	1.047	0.453	89.9	45 60 161	1 3463
6116	8.5	18 12 7.26	+3.2024	+0.0010	−5 32 51.6	+1.060	+0.466	89.8	(1) 35 47 244	5 4618
6117	8.8	12 29.89	3.1196	0.0011	2 0 48.6	1.093	0.454	90.1 90.3	(2)[2] 36 162 251	2 4587
6118	9.0	12 46.44	3.2113	0.0009	5 55 39.3	1.117	0.467	91.5	157 251 350	5 4620
6119	8.2	12 49.17	3.1210	0.0011	2 4 15.3	1.121	0.454	90.2	45 60 247	2 4588
6120	8.3	12 59.28	3.2126	0.0009	5 58 59.1	1.136	0.467	91.0	157 251	5 4621
6121	9.0	18 13 8.46	+3.1347	+0.0010	−2 39 38.5	+1.149	+0.456	90.1	49 161	2 4589
6122	8.5	13 11.28	3.2164	0.0009	6 8 47.1	1.153	0.468	91.9	3 Beob.	6 4737
6123	8.9	13 14.74	3.1544	0.0010	3 30 1.5	1.158	0.459	91.4	162 253 255a 255	3 4264
6124	8.5	13 18.96	3.1183	0.0011	1 57 24.6	1.164	0.453	90.5	49 244	1 3470
6125	9.0	13 20.69	3.1997	0.0009	5 26 0.6	1.167	0.465	89.3	(1)[3] 35 47	5 4622
6126	8.5	18 13 21.97	+3.1342	+0.0010	−2 38 9.9	+1.169	+0.456	90.5	49 247	2 4591
6127	7.5	13 42.23	3.1694	0.0009	4 8 41.9	1.198	0.461	91.0	157 248	4 4438
6128	9.0	13 43.14	3.1325	0.0010	2 33 58.7	1.200	0.456	90.6 90.8	6 Beob.	2 4592
6129	8.0	13 46.27	3.1475	0.0010	3 12 30.2	1.204	0.458	89.6	45 60	3 4267
6130	8.0	13 57.83	3.2018	0.0009	5 31 38.0	1.221	0.465	91.6	244 255a 255	5 4624
6131	9.0	18 14 16.71	+3.1237	+0.0010	−2 11 24.0	+1.248	+0.454	90.9	3 Beob.	2 4593
6132	8.5	14 17.81	3.1731	0.0009	4 18 1.8	1.250	0.461	92.0	251 350	4 4440
6133	7.5[4]	14 28.40	3.1895	0.0009	5 0 13.1	1.265	0.464	91.6	249 251	5 4626
6134	9.0	15 0.27	3.1687	0.0009	4 7 2.4	1.312	0.460	89.8	36 45 60 157	4 4442
6135	8.5	15 19.03	3.1870	0.0008	4 53 55.9	1.339	0.463	89.2	(1) 35 47	4 4444
6136	8.5	18 15 54.12	+3.1383	+0.0009	−2 48 55.7	+1.390	+0.456	91.6	249 255a 255	2 4596
6137	8.2	15 56.58	3.1288	0.0009	2 24 34.8	1.394	0.455	91.6	247 253	2 4597
6138	9.4	16 1.90	3.2108	0.0007	5 54 40.6	1.402	0.466	92.0	253 350	[5 4634]
6139	8.0	16 8.04	3.1461	0.0008	3 9 5.6	1.410	0.457	91.7	255a 255 268	3 4272
6140	**3.0**	**16 8.08**	**3.1408**	**0.0008**	**2 55 29.5**	**1.411**	**0.456**		**Fund. Kat.**	**2 4599**
6141	8.0	18 16 20.77	+3.1641	+0.0008	−3 55 16.1	+1.429	+0.460	92.1	268 351	3 4273
6142	9.0	16 24.92	3.2078	0.0007	5 47 9.0	1.435	0.466	92.5	350 351	5 4636
6143	9.0	16 25.84	3.1210	0.0009	2 4 22.0	1.436	0.453	92.0	3 Beob.	2 4602
6144	9.1	16 46.29	3.2146	0.0006	6 4 21.0	1.466	0.467	92.0	3 Beob.	[6 4745]
6145	9.0	16 48.19	3.1969	0.0007	5 19 22.1	1.469	0.464	92.0	253 350	5 4641
6146	9.0	18 16 58.83	+3.1951	+0.0007	−5 14 48.9	+1.484	+0.464	91.7	253 268	5 4642
6147	8.8	17 5.71	3.1923	0.0007	5 7 40.2	1.494	0.464	91.7	253 268	5 4643
6148	8.5	17 15.37	3.1882	0.0007	4 57 12.1	1.508	0.463	91.6	249 251	4 4451
6149	8.8	17 20.21	3.1729	0.0007	4 17 57.8	1.515	0.461	92.5	2 Beob.	4 4452
6150	9.0	17 21.03	3.2070	0.0006	5 45 13.8	1.517	0.466	90.5	47 247	5 4644

[1] Dupl. 4″ austr. seq.; Com. 10m [2] δ ½ [3] ½ [4] Dupl. 3″ bor. seq.; Com. 9m

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6151	8.8	18h 17m 31.s11	+3.s1251	+0.s0008	−2° 15′ 1.″3	+1.″531	+0.″454	90.3 90.6	(2)[1] 36 255[2] 255	2°4606
6152	8.1	18 2.86	3.1941	0.0006	5 12 10.7	1.577	0.464	91.6	249 251 268	5 4646
6153	8.6	18 3.54	3.2042	0.0006	5 38 0.1	1.578	0.465	91.1	161 248	5 4648
6154	8.8	18 4.75	3.2117	0.0006	5 57 6.7	1.580	0.466	98.5	2 Beob.	5 4647
6155	8.7	18 20.74	3.1312	0.0007	2 30 47.7	1.603	0.454	89.3 89.4	(2)[1] 36 45 60	2 4609
6156	8.4	18 18 40.25	+3.1853	+0.0006	−4 49 46.4	+1.632	+0.462	91.6	3 Beob.	4 4457
6157	9.1	18 43.34	3.1212	0.0007	2 4 56.4	1.636	0.453	96.5	2 Beob.	[2 4611]
6158	7.7	18 46.46	3.1314	0.0007	2 31 22.1	1.641	0.454	97.0	2 Beob.	2 4613
6159	6.5	18 47.96	3.1573	0.0006	3 38 1.1	1.643	0.458	89.6	57 58	3 4277
6160	9.0	18 58.41	3.2109	0.0005	5 55 15.7	1.658	0.466	90.3	(1) 47 161 350	5 4650
6161	7.5	18 19 0.51	+3.1692	+0.0006	−4 8 27.4	+1.661	+0.460	91.6	249 251	4 4459
6162	8.3	19 12.16	3.1904	0.0005	5 2 51.5	1.678	0.463	91.9	247 253 351	5 4652
6163	8.3	19 21.04	3.1451	0.0006	3 6 30.4	1.691	0.456	89.6	45 60	3 4279
6164	8.0	19 31.35	3.1175	0.0007	1 55 30.2	1.706	0.452	91.6	248 268	1 3485
6165	8.5	19 40.93	3.1212	0.0007	2 5 6.0	1.720	0.453	90.8	36 162 255[2] 255	2 4615
6166	8.5	18 19 41.97	+3.1970	+0.0005	−5 19 53.5	+1.721	+0.464	91.6	249 251	5 4653
6167	7.7	19 56.10	3.1869	0.0005	4 53 59.5	1.742	0.462	91.3	161 255[2] 255	4 4462
6168	8.3	20 7.90	3.1519	0.0006	3 24 12.7	1.759	0.457	89.6	45 57 58 60	3 4282
6169	8.6	20 9.45	3.2056	0.0004	5 41 54.2	1.761	0.465	89.2	(1) 35 47	5 4654
6170	8.7	20 17.23	3.1555	0.0006	3 33 23.1	1.773	0.458	91.6	162 253 351	3 4283
6171	8.9	18 20 27.62	+3.1240	+0.0006	−2 12 20.6	+1.788	+0.453	91.7	255 268	2 4620
6172	9.0	20 33.83	3.1587	0.0005	3 41 39.0	1.797	0.458	90.6 90.8	5 Beob.	3 4284
6173	8.0	20 42.27	3.1884	0.0004	4 58 4.0	1.809	0.462	91.6	247 249 251	4 4466
6174	8.9	21 7.83	3.1414	0.0005	2 57 11.6	1.846	0.455	89.6	45 57 58 60	2 4623
6175	8.0	21 16.73	3.2046	0.0003	5 39 33.3	1.859	0.464	89.2	(1) 35 47	5 4657
6176	8.0	18 22 21.32	+3.1656	+0.0004	−3 59 37.0	+1.953	+0.459	90.0 90.3	(2)[1] 36 162 248	4 4470
6177	9.0	22 29.41	3.2046	0.0003	5 39 33.6	1.965	0.464	89.5	(1) 35[2] 47 161	5 4663
6178	8.7	22 33.95	3.1153	0.0005	1 49 59.9	1.971	0.451	89.9	45 60 162	1 3496
6179	9.0	23 3.43	3.2095	0.0002	5 52 12.6	2.014	0.465	91.6	3 Beob.	5 4665
6180	7.5	23 9.87	3.1641	0.0003	3 55 45.1	2.023	0.458	89.9 90.1	(2)[1] 36 248	3 4288
6181	8.8	18 23 48.32	+3.1776	+0.0003	−4 30 42.4	+2.079	+0.460	89.6	57 58	4 4476
6182	8.8	23 50.41	3.1914	0.0002	5 6 10.5	2.082	0.462	89.2	(1) 35 47	5 4667
6183	9.0	23 51.48	3.1291	0.0004	2 25 38.8	2.084	0.453	89.6	45 60	2 4637
6184	8.3	24 1.61	3.1386	0.0004	2 50 13.7	2.098	0.454	91.1	161 255	2 4638
6185	5.8	24 28.72	3.1203	0.0004	2 3 0.2	2.138	0.451	91.6	3 Beob.	2 4641
6186	7.8	18 24 38.31	+3.1669	+0.0002	−4 3 7.7	+2.152	+0.458	89.9 90.2	(2)[1] 36 255	4 4478
6187	8.2	24 39.48	3.1163	0.0004	1 52 41.9	2.153	0.451	90.3	45 60 264	1 3500
6188	6.2	24 53.60	3.2075	0.0001	5 47 25.7	2.174	0.464	89.2	(1) 35 47	5 4675
6189	8.5	24 54.89	3.1344	0.0003	2 39 25.6	2.176	0.453	90.2	57 58 161 247[2,2]	2 4642
6190	9.0	25 10.53	3.1350	0.0003	2 40 56.7	2.198	0.453	91.6	243 257	2 4643
6191	8.7	18 25 18.02	+3.1180	+0.0003	−1 57 12.5	+2.209	+0.451	90.3	45 60 266	1 3501
6192	8.8	25 31.17	3.1816	0.0001	4 41 13.2	2.228	0.460	91.6	3 Beob.	4 4481
6193	8.3	25 34.94	3.1908	0.0001	5 4 50.9	2.234	0.461	91.5	247 248	5 4677
6194	9.0	25 35.97	3.1864	0.0001	4 53 23.4	2.235	0.461	90.4 90.8	4 Beob.	4 4483
6195	7.3	25 47.78	3.2090	0.0000	5 51 29.8	2.252	0.464	91.5	243 247[2,2] 257	5 4678
6196	9.0[3]	18 26 16.56	+3.1646	+0.0001	−3 57 33.2	+2.294	+0.457	04.48	2 Beob.	3 4296
6197	9.2	26 20.75	3.1672	0.0001	4 4 7.8	2.300	0.458	89.5	(1) 35 47 161	[4 4486]
6198	7.5	26 32.93	3.1304	0.0002	2 29 21.3	2.318	0.452	90.3	45 60 266	2 4647
6199	8.8	26 43.85	3.1580	0.0001	3 40 30.1	2.333	0.456	90.0 90.3	(2)[1] 36 162 248	3 4299
6200	9.5	27 10.26	3.1537	0.0001	3 29 32.8	2.372	0.456	91.1	161 264	[3 4302]

[1] δ½ [2] ½ [3] Dupl. med.; praec. 16.s54 33.″8 90.6 Z. 162

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
6201	8.8	18h 27m 39s.10	+3s.1215	+0s.0002	—2° 6′ 11″.5	+2″.413	+0″.451	89.6	45 60	2° 4650	F5
6202	9.0	27 41.45	3.1969	—0.0001	5 20 41.3	2.417	0.462	89.2	(1) 35 47	5 4685	A0
6203	8.6	27 42.89	3.1195	+0.0002	2 1 4.0	2.419	0.451	90.6 90.8	4 Beob.	2 4651	A0
6204	7.0	27 47.62	3.1943	—0.0001	5 14 9.9	2.426	0.461	91.5	243 247[a1] 257	5 4686	G5
6205	8.6	27 58.73	3.2150	—0.0002	6 7 19.0	2.442	0.464	91.6	247 255	6 4789	F5
6206	6.5	18 28 1.61	+3.2118	—0.0001	—5 59 7.2	+2.446	+0.464	91.5	243 247[a1] 257	6 4791	A0
6207	9.4	28 17.74	3.1146	+0.0002	1 48 24.2	2.469	0.450	91.7	255 264	[1 3511]	
6208	8.6	28 22.16	3.1862	—0.0001	4 53 23.1	2.476	0.460	89.2	(1) 35 47	4 4493	F2
6209	8.0	28 42.38	3.1398	+0.0001	2 53 48.0	2.505	0.453	89.6	57 58	2 4653	F5
6210	9.0	28 57.30	3.1218	+0.0001	2 7 15.0	2.527	0.450	91.7	255 264	2 4655	K5
6211	8.2	18 28 57.32	+3.1862	—0.0001	—4 53 24.7	+2.527	+0.460	90.6	47 264	4 4497	B8
6212	8.9	29 11.04	3.1837	—0.0001	4 47 9.1	2.547	0.459	91.6	243 257	4 4498	K2
6213	9.1	29 11.90	3.1486	0.0000	3 16 24.2	2.548	0.454	91.7	255 266	3 4305	
6214	8.8	29 22.73	3.1778	—0.0001	4 31 59.3	2.563	0.458	91.6	243 257	4 4499	F8
6215	8.8	29 32.30	3.1423	0.0000	3 0 18.7	2.577	0.453	92.1	2 Beob.	3 4309	F5
6216	8.5	18 29 32.64	+3.1188	+0.0001	—1 59 20.6	+2.578	+0.450	91.6	253 264	2 4658	F0
6217	9.5	29 34.37	3.1145	+0.0001	1 48 13.0	2.580	0.449	98.0	2 Beob.	[1 3516]	
6218	9.1	29 53.34	3.1698	—0.0001	4 11 18.9	2.608	0.457	91.6	243 253 257	[4 4501]	
6219	9.0	30 16.97	3.1698	—0.0001	4 11 20.8	2.642	0.457	91.6	243 253 257	4 4505	
6220	9.0	30 27.53	3.1283	0.0000	2 24 8.2	2.657	0.451	91.6	247 255	2 4661	A0
6221	8.6	18 30 51.55	+3.1295	0.0000	—2 27 17.6	+2.692	+0.451	89.6	45 60	2 4664	K0
6222	8.8	30 54.35	3.1736	—0.0002	4 21 24.8	2.696	0.457	91.6	253 264	4 4507	A0
6223	8.3	31 4.82	3.1735	—0.0002	4 21 9.7	2.711	0.457	91.6	253 264	4 4509	G5
6224	8.5	31 6.34	3.1822	—0.0003	4 43 27.9	2.713	0.459	91.7	262 266	4 4510	G0
6225	7.8	31 8.98	3.1805	—0.0002	4 39 4.2	2.717	0.458	91.7	262 272	4 4511	G0
6226	8.7	18 31 17.77	+3.1323	—0.0001	—2 34 38.3	+2.730	+0.451	92.1	266 351	2 4667	K2
6227	8.5	31 18.57	3.1458	—0.0001	3 9 35.5	2.731	0.453	89.6	57 58	3 4316	B9
6228	9.0	31 23.95	3.1251	0.0000	2 15 51.2	2.739	0.450	91.6	248 268	2 4668	F8
6229	8.9	31 25.47	3.1198	0.0000	2 2 7.4	2.741	0.449	91.1	2 Beob.	2 4669	F2
6230	9.1	31 29.08	3.1578	—0.0002	3 40 42.1	2.746	0.455	91.7	255 268	[3 4317]	
6231	9.1	18 31 32.41	+3.1953	—0.0003	—5 17 15.1	+2.751	+0.460	92.2	2 Beob.	[5 4703]	G0
6232	9.0	31 38.10	3.1659	—0.0002	4 1 31.7	2.759	0.456	92.5	2 Beob.	4 4513	
6233	8.7	31 42.75	3.1560	—0.0002	3 36 1.2	2.766	0.455	91.7	255 268	3 4319	F2
6234	7.5	31 44.48	3.1816	—0.0003	4 41 57.0	2.768	0.458	91.5	243 247[a1] 257	4 4514	F0
6235	9.0	31 56.78	3.1803	—0.0003	4 38 40.6	2.786	0.458	91.6	243 257	4 4516	
6236	9.0	18 32 7.71	+3.1416	—0.0002	—2 58 42.3	+2.802	+0.452	89.6	45 60	3 4321	F2
6237	9.1	32 10.93	3.1415	—0.0002	2 58 21.7	2.806	0.452	89.6	45 60	3 4322	F8
6238	(9.6)[2]	32 13.84	3.1158	—0.0001	1 51 47.1	2.811	0.449	98.1	2 Beob.	—	
6239	7.2	32 15.35	3.1422	—0.0002	3 0 17.1	2.813	0.452	89.5	36 45	3 4325	K0
6240	9.0	32 19.17	3.1916	—0.0004	5 8 2.7	2.818	0.460	91.6	247 262	5 4707	F8
6241	6.8	18 32 26.90	+3.1860	—0.0003	—4 53 35.6	+2.830	+0.459	92.2	2 Beob.	4 4518	F2
6242	8.9	32 35.33	3.1614	—0.0003	3 50 6.2	2.842	0.455	89.6	57 58	3 4327	G5
6243	7.0	32 43.56	3.1345	—0.0002	2 40 30.8	2.854	0.451	91.7	253 266	2 4678	K0
6244	8.9	32 44.60	3.1887	—0.0004	5 0 28.7	2.855	0.459	91.7	262 264	5 4709	A0
6245	8.6	32 46.53	3.1167	—0.0001	1 54 9.9	2.858	0.449	98.1	2 Beob.	1 3526	A0
6246	9.2	18 32 53.80	+3.1147	—0.0001	—1 49 8.3	+2.868	+0.448	91.7	255 268	[1 3527]	A2
6247	6.5	33 8.93	3.1486	—0.0003	3 16 53.2	2.890	0.453	92.1	272 351	3 4331	F8
6248	8.3	33 11.03	3.1589	—0.0003	3 43 44.0	2.893	0.454	92.2	2 Beob.	3 4332	F5
6249	9.1	33 14.67	3.1743	—0.0004	4 23 29.7	2.899	0.457	89.6	45 60	[4 4525]	
6250	8.5	33 16.71	3.2135	—0.0005	6 4 37.6	2.901	0.462	91.5	243 247[a1] 257	6 4823	F2

[1] ½ [2] Schätzung 05.471

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
6251	9.0	18h 33m 22s.63	+3s.1600	—0s.0003	—3° 46′ 38″.6	+2″.910	+0″.455	89.6	57 58	3° 4334
6252	9.0	33 24.65	3.1217	0.0002	2 7 18.2	2.913	0.449	89.9 90.3	(2)[1] 36[2] 248	2 4683
6253	8.8	33 42.73	3.2070	0.0005	5 48 0.3	2.939	0.461	91.6	243 257	5 4714
6254	8.5	33 45.69	3.1696	0.0004	4 11 26.1	2.943	0.456	91.7	255 264	4 4531
6255	7.5	34 1.68	3.1198	0.0002	2 2 22.6	2.966	0.449	91.6	247 253	2 4686
6256	8.8	18 34 2.52	+3.1476	—0.0003	—3 14 23.0	+2.968	+0.453	89.6	57 58	3 4337
6257	9.1	34 8.30	3.1358	0.0003	2 43 55.9	2.976	0.451	91.7	262 266	2 4687
6258	8.5	34 23.38	3.1767	0.0004	4 29 51.3	2.998	0.457	91.3	3 Beob.	4 4536
6259	9.0	34 24.33	3.1858	0.0005	4 53 30.2	2.999	0.458	92.1	268 351	4 4537
6260	8.8	34 31.05	3.1468	0.0003	3 12 27.5	3.009	0.452	89.9 90.2	(2)[1] 36 255	3 4338
6261	8.7	18 34 45.61	+3.2084	—0.0006	—5 51 45.2	+3.030	+0.461	91.7	255 266	5 4717
6262	8.2	35 11.18	3.2069	0.0006	5 47 57.4	3.066	0.461	91.5	243 247[a2] 257	5 4719
6263	9.0	35 19.14	3.1268	0.0003	2 20 46.6	3.078	0.449	91.6	248 264	2 4694
6264	8.5	35 27.06	3.1986	0.0006	5 26 38.7	3.089	0.460	91.7	262 264	5 4721
6265	7.5	35 29.61	3.1787	0.0005	4 35 17.9	3.093	0.457	89.6	45 60[3]	4 4547
6266	8.7	18 35 31.52	+3.1446	—0.0004	—3 6 59.4	+3.096	+0.452	89.9 90.2	(2)[1] 36 262	3 4347
6267	8.8	35 38.84	3.1692	0.0005	4 10 37.7	3.106	0.455	89.6	57 58	4 4548
6268	8.3	35 57.57	3.1630	0.0005	3 54 34.8	3.133	0.454	91.5	243 247[a2] 257	3 4351
6269	9.0	36 0.64	3.1469	0.0004	3 13 2.1	3.138	0.452	91.9	253 266 351	3 4352
6270	9.1	36 3.74	3.1622	0.0005	3 52 39.1	3.142	0.454	91.6	243 257	[3 4353]
6271	8.6	18 36 4.75	+3.1170	—0.0003	—1 55 14.0	+3.144	+0.448	91.7	255 268	1 3539
6272	9.0	36 5.96	3.1319	0.0004	2 33 55.7	3.145	0.450	92.2	2 Beob.	2 4701
6273	9.1	36 17.99	3.1643	0.0005	3 58 13.6	3.163	0.454	91.7	262 264	4 4552
6274	7.2	36 19.28	3.1468	0.0004	3 12 46.1	3.165	0.452	89.6	57 58	3 4354
6275	9.1	36 39.51	3.1698	0.0006	4 12 22.0	3.194	0.455	89.9 90.2	(2)[1] 36 253	4 4553
6276	9.0	18 36 45.31	+3.1798	—0.0006	—4 38 26.9	+3.202	+0.456	89.6	45 60	4 4554
6277	9.3	36 53.49	3.1765	0.0006	4 29 56.0	3.214	0.456	91.7	255 266	[4 4556]
6278	8.8	37 4.86	3.1860	0.0007	4 54 20.3	3.230	0.457	91.6	248 253 268	4 4557
6279	8.7	37 32.22	3.1861	0.0007	4 54 46.9	3.270	0.457	91.7	253 268	4 4561
6280	9.3	37 36.40	3.2094	0.0008	5 55 6.4	3.276	0.460	91.7	255 268	[5 4734]
6281	9.4	18 37 40.49	+3.1156	—0.0004	—1 51 48.6	+3.281	+0.447	92.1	272 351	[1 3545]
6282	8.7	37 44.40	3.1201	0.0005	2 3 31.5	3.287	0.447	89.9 90.2	(2)[1] 36 253	2 4717
6283	9.2	37 55.35	3.2141	0.0009	6 7 18.1	3.303	0.461	92.1	268 351	[6 4853]
6284	8.5	38 3.19	3.1484	0.0006	3 17 14.1	3.314	0.451	89.6	45 60	3 4360
6285	7.8	38 3.42	3.2065	0.0008	5 47 37.1	3.314	0.460	98.1	2 Beob.	5 4736
6286	8.3	18 38 10.17	+3.2012	—0.0008	—5 33 52.1	+3.324	+0.459	91.7	255 266	5 4738
6287	9.0	38 16.51	3.1219	0.0004	2 8 4.3	3.333	0.447	91.7	253 272	2 4718
6288	9.3	38 25.22	3.1720	0.0007	4 18 32.6	3.346	0.455	92.6	2 Beob.	[4 4564]
6289	8.3	38 40.18	3.1782	0.0007	4 34 35.9	3.367	0.455	91.7	262 264	4 4565
6290	8.0	38 45.50	3.1226	0.0005	2 10 6.9	3.375	0.447	90.1	(2)[2] 36 248	2 4720
6291	8.5	18 39 9.18	+3.1323	—0.0005	—2 35 25.4	+3.409	+0.449	89.6	45 60	2 4726
6292	8.5	39 16.26	3.1476	0.0006	3 15 16.5	3.419	0.451	89.6	57 58	3 4367
6293	8.8	39 18.24	3.1506	0.0006	3 23 0.5	3.422	0.451	92.1	266 351	3 4368
6294	8.8	39 25.30	3.1162	0.0005	1 53 24.9	3.432	0.446	92.2	2 Beob.	1 3555
6295	8.2	39 25.34	3.1947	0.0009	5 17 21.6	3.432	0.458	91.7	262 268	5 4744
6296	9.1	18 39 28.03	+3.1658	—0.0007	—4 2 40.1	+3.436	+0.453	92.2	2 Beob.	[4 4570]
6297	8.5	39 33.50	3.1580	0.0007	3 42 20.6	3.444	0.452	90.2	(2)[2] 36 262	3 4369
6298	8.3	39 44.82	3.2019	0.0009	5 36 15.3	3.460	0.458	91.7	255 268	5 4745
6299	9.3	39 58.07	3.1854	0.0008	4 53 30.6	3.479	0.456	91.7	255 272	[4 4573]
6300	8.0	40 10.57	3.1810	0.0008	4 42 11.0	3.497	0.455	91.6	243 253 257	4 4575

[1] δ ½ [2] ½ [3] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6301	8.0	$18^h 40^m 11^s.88$	$+3^s.1494$	$-0^s.0007$	$-3° 20' 5''.5$	$+3''.499$	$+0''.451$	89.6	45 57 58 60	3° 4373
6302	9.0	40 14.21	3.1828	0.0008	4 46 50.9	3.502	0.455	91.7	262 264	4 4577
6303	8.8	40 32.64	3.1205	0.0006	2 4 40.2	3.529	0.446	91.7	255 266	2 4732
6304	9.0	40 41.02	3.2055	0.0010	5 45 38.0	3.541	0.459	91.6	243 257	5 4751
6305	8.8	40 53.85	3.1219	0.0006	2 8 30.8	3.559	0.446	89.6	45[1] 60	2 4734
6306	9.1	18 41 35.71	+3.1216	−0.0006	−2 7 37.1	+3.619	+0.446	92.0	3 Beob.	[2 4737]
6307	8.8	41 37.69	3.1298	0.0007	2 29 1.9	3.622	0.447	91.6	243 257	2 4738
6308	8.6	41 42.87	3.1620	0.0008	3 53 13.9	3.630	0.452	89.6	57 58	3 4378
6309	7.0	41 47.15	3.2110	0.0011	6 0 21.1	3.636	0.459	91.7	255 268	6 4897
6310	**4.6**	**41 52.09**	**3.1844**	**0.0010**	**4 51 17.5**	**3.643**	**0.455**		**Fund. Kat.**	**4 4582**
6311	9.0	18 41 53.61	+3.1311	−0.0007	−2 32 35.5	+3.645	+0.447	91.7	253 268	2 4740
6312	var.[2]	42 8.70	3.2065	0.0011	5 48 45.2	3.667	0.458	92.2	2 Beob.	5 4760
6313	8.5	42 12.42	3.1586	0.0008	3 44 23.4	3.672	0.451	91.6	243 257	3 4380
6314	9.0	42 50.60	3.1792	0.0010	4 38 12.3	3.727	0.454	92.0	3 Beob.	4 4583
6315	9.1	42 57.97	3.1721	0.0010	4 19 32.8	3.737	0.453	89.6	48 63	[4 4585]
6316	8.3	18 43 3.10	+3.1886	−0.0011	−5 2 36.8	+3.745	+0.455	91.9	253 266 351	5 4768
6317	9.0	43 9.46	3.1283	0.0008	2 25 25.0	3.754	0.446	89.6	44 61as 65	2 4749
6318	9.2	43 16.79	3.2132	0.0012	6 6 25.7	3.764	0.459	89.5	37 39	[6 4912]
6319	7.2	43 18.02	3.2134	0.0012	6 6 58.6	3.766	0.459	89.5	37 37as 39	6 4913
6320	8.0	43 23.28	3.1465	0.0009	3 13 3.8	3.774	0.449	89.6	57 58	3 4382
6321	8.8	18 43 27.60	+3.1648	−0.0010	−4 0 40.0	+3.780	+0.452	91.7	255 264	4 4587
6322	9.4	43 32.88	3.1700	0.0010	4 14 17.2	3.787	0.452	90.6	48 264	[4 4588]
6323	9.1	43 40.16	3.1448	0.0009	3 8 37.1	3.798	0.449	90.9	48 243 257	3 4383
6324	9.5	43 40.92	3.1136	0.0007	1 47 8.2	3.799	0.444	90.5	61as 65 255	[1 3567]
6325	8.7	43 42.88	3.1326	0.0008	2 36 50.5	3.802	0.447	89.6	44 45 60	2 4751
6326	9.1	18 44 9.18	+3.1451	−0.0009	−3 9 25.0	+3.839	+0.448	89.6	57 58 63	3 4385
6327	6.8	44 19.78	3.2112	0.0013	6 1 33.7	3.854	0.458	89.5	37 37as 39	6 4922
6328	8.5	44 21.04	3.2119	0.0013	6 3 26.0	3.856	0.458	89.5	37 37as 39	6 4923
6329	8.3	44 44.04	3.1890	0.0012	5 4 3.1	3.889	0.454	90.9	48 243 257	5 4775
6330	9.0	44 45.29	3.2127	0.0013	6 5 38.0	3.891	0.458	90.9	37 253 262	6 4926
6331	6.8	18 44 53.09	+3.1583	−0.0010	−3 44 6.7	+3.902	+0.450	89.6	45 60	3 4388
6332	8.9	45 10.42	3.1244	0.0009	2 15 24.3	3.927	0.445	89.6	44 61as 65	2 4757
6333	8.7	45 11.75	3.1989	0.0013	5 29 59.9	3.929	0.456	91.6	243 257	5 4777
6334	8.4	45 15.10	3.1892	0.0012	5 4 35.0	3.934	0.454	98.1	2 Beob.	5 4778
6335	9.0	45 15.47	3.1310	0.0009	2 32 50.9	3.934	0.446	91.7	255 266	2 4758
6336	9.2	18 45 30.96	+3.1170	−0.0008	−1 56 12.0	+3.956	+0.444	91.0	65 253 262	[1 3574]
6337	9.5	45 31.67	3.1150	0.0008	1 50 47.9	3.957	0.444	91.0	61as 264	[1 3575]
6338	7.3	45 50.83	3.1500	0.0010	3 22 34.8	3.985	0.449	89.6	45 57 58 60	3 4390
6339	6.5	46 7.06	3.1513	0.0011	3 26 6.3	4.008	0.448	89.6	48 63	3 4392
6340	8.9	46 13.06	3.1372	0.0010	2 49 5.9	4.016	0.447	91.7	255 266	2 4761
6341	8.5	18 46 19.40	+3.1977	−0.0013	−5 27 1.6	+4.025	+0.455	89.5	37 37as 39	5 4786
6342	9.0	46 26.35	3.1207	0.0009	2 6 1.9	4.035	0.444	92.0	3 Beob.	2 4762
6343	(8.5)[4]	46 27.54	3.1920	0.0013	5 12 12.5	4.037	0.454	91.6	243 257	5 4787
6344	9.0	46 29.49	3.1157	0.0009	1 52 40.4	4.040	0.443	89.6	44 61as 65	1 3582
6345	9.2	46 38.62	3.2112	0.0014	6 2 9.7	4.053	0.457	90.2	37 39 268	[6 4938]
6346	9.0	18 46 40.99	+3.1936	−0.0013	−5 16 37.6	+4.056	+0.454	91.7	262 266	5 4788
6347	9.0	46 49.48	3.1559	0.0011	3 38 17.1	4.068	0.449	89.6	45 57 58 60	3 4395
6348	7.2	47 9.73	3.1607	0.0012	3 50 43.2	4.097	0.449	89.6	48 63	3 4397
6349	9.0	47 9.80	3.1978	0.0014	5 27 30.3	4.097	0.455	91.7	262 266	5 4792
6350	8.7	47 14.63	3.1364	0.0010	2 47 4.0	4.104	0.446	89.6	44 61as 65	2 4765

[1] δ ½ [2] $6^m.0$ Z. 268 [3] ½ [4] Dupl. 9″ bor. praec.; Com. $0^m.1$—$0^m.2$ schwächer

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
6351	7.5	18^h 47^m $24^s.64$	$+3^s.2095$	$-0^s.0015$	−5°58′ 12″.3	+4″.119	+0″.456	89.5	37 37^{a1} 39	6° 4941	B9
6352	8.5	47 28.11	3.1267	0.0010	2 21 40.3	4.124	0.444	91.1	4 Beob.	2 4768	A3
6353	8.8	47 31.15	3.1845	0.0013	4 53 3.4	4.128	0.453	89.6	48 63	4 4603	A0
6354	9.1	47 34.37	3.1400	0.0011	2 56 41.0	4.133	0.446	89.6	45 57 58 60	[2 4769]	
6355	8.7	47 51.23	3.1683	0.0013	4 10 41.2	4.157	0.450	91.5	243 247^{a1} 257	4 4606	K5
6356	7.5	18 47 52.98	+3.1838	−0.0013	−4 51 13.8	+4.159	+0.452	89.6	48 63	4 4607	A0
6357	9.0	47 56.35	3.1771	0.0013	4 33 53.8	4.164	0.451	91.7	262 264	4 4608	
6358	8.3	47 59.18	3.1720	0.0013	4 20 30.4	4.168	0.451	91.5	243 247^{a1} 257	4 4609	B9
6359	8.7	47 59.62	3.1955	0.0014	5 21 51.8	4.169	0.454	91.7	255 266	5 4794	K2
6360	8.8	48 0.14	3.1312	0.0011	2 33 33.0	4.169	0.445	92.1	266 351	2 4773	F8
6361	8.8	18 48 6.72	+3.1143	−0.0010	−1 49 10.8	+4.179	+0.442	90.7	5 Beob.	1 3587	A0
6362	8.4	48 13.22	3.1567	0.0012	3 40 37.0	4.188	0.448	91.7	255 264	3 4401	A0
6363	8.8	48 18.50	3.1824	0.0014	4 47 53.4	4.195	0.452	89.6	48 63	4 4611	K2
6364	8.7	48 21.79	3.2024	0.0015	5 39 58.6	4.200	0.455	89.5	37 37^{a1} 39	5 4798	G5
6365	9.3	48 38.59	3.1143	0.0010	1 49 28.1	4.224	0.442	97.1	2 Beob.	1 3589	K2
6366	8.8	18 48 40.74	+3.2047	−0.0015	−5 46 6.6	+4.227	+0.455	89.5	37 39	5 4800	K0
6367	8.0	48 41.82	3.1813	0.0014	4 45 2.3	4.229	0.452	89.6	48 63	4 4614	B9
6368	9.0	48 47.82	3.1600	0.0013	3 49 15.4	4.237	0.448	89.7	57 58 61^{a1} 65	3 4404	K0
6369	9.1	49 2.93	3.1186	0.0010	2 0 37.0	4.259	0.443	97.0	2 Beob.	[2 4779]	
6370	9.0	49 6.15	3.1805	0.0014	4 43 0.6	4.263	0.451	90.6	48 266	4 4617	G0
6371	8.7	18 49 6.85	+3.1986	−0.0015	−5 30 18.0	+4.264	+0.454	91.7	262 264	5 4802	B8
6372	8.0	49 6.87	3.2119	0.0016	6 4 55.7	4.264	0.456	91.5	243 247^{a1} 257	6 4953	G5
6373	9.0	49 8.02	3.1822	0.0014	4 47 23.4	4.266	0.452	91.7	255 268	4 4619	F8
6374	9.0	49 10.01	3.1835	0.0014	4 50 50.6	4.269	0.452	91.7	255 268	4 4620	F8
6375	9.1	49 12.18	3.2070	0.0016	5 52 9.1	4.272	0.455	89.5	37 39	[5 4804]	K2
6376	9.2	18 49 26.68	+3.1585	−0.0013	−3 45 31.2	+4.293	+0.448	91.7	262 268	[3 4409]	A0
6377	9.1	49 31.08	3.1786	0.0014	4 38 1.9	4.299	0.451	90.6	48 272	4 4624	A5
6378	8.8	49 53.78	3.1183	0.0011	2 0 0.1	4.331	0.442	89.6	44 60 61^{a1} 65	2 4782	G0
6379	8.0	50 2.48	3.1930	0.0015	5 16 2.4	4.344	0.453	89.5	37 39	5 4807	K2
6380	8.7	50 15.12	3.1400	0.0012	2 57 5.3	4.362	0.445	91.5	243 247^{a1} 257	3 4413	K0
6381	8.0	18 50 20.48	+3.1282	−0.0012	−2 26 1.4	+4.369	+0.443	89.6	44 61^{a1} 65	2 4784	A0
6382	8.9	50 33.60	3.1430	0.0013	3 4 56.8	4.388	0.445	91.7	255 264 266	3 4414	K2
6383	8.1	50 33.90	3.2066	0.0017	5 51 42.3	4.388	0.454	91.7	262 272	5 4811	G5
6384	8.7	50 40.85	3.1851	0.0015	4 55 21.3	4.398	0.451	89.5	37 39	4 4631	M6
6385	8.3	50 42.25	3.1788	0.0015	4 39 0.3	4.400	0.450	90.3	48 63 266	4 4632	A3
6386	8.7	18 50 47.79	+3.1842	−0.0015	−4 53 4.8	+4.408	+0.451	91.0	37^{a1} 268	4 4634	B8
6387	9.0	51 3.71	3.1916	0.0016	5 12 34.6	4.431	0.452	91.7	255 272	5 4813	A0
6388	9.2	51 3.96	3.1761	0.0015	4 31 57.9	4.431	0.450	92.1	268 351	[4 4636]	G5
6389	9.0	51 7.94	3.2115	0.0017	6 4 35.5	4.437	0.455	92.5	2 Beob.	6 4971	B9
6390	6.5	51 11.00	3.1166	0.0012	1 55 44.0	4.441	0.441	89.6	44 45 60	1 3602	A0
6391	9.2	18 51 16.30	+3.1801	−0.0015	−4 42 27.2	+4.449	+0.450	92.2	2 Beob.	[4 4638]	A0
6392	8.3	51 27.86	3.2050	0.0017	5 47 46.6	4.465	0.454	91.5	243 247^{a1} 257	5 4816	A0
6393	8.5	51 29.31	3.1673	0.0015	4 8 57.5	4.467	0.448	91.7	262 264	4 4640	F0
6394	9.2	51 40.74	3.1716	0.0015	4 20 30.0	4.483	0.449	98.1	2 Beob.	[4 4641]	A0
6395	5.0	51 42.36	3.2091	0.0018	5 58 34.3	4.486	0.454	89.5	37 37^{a1} 39	6 4976	K0
6396	8.9	18 51 46.91	+3.1351	−0.0013	−2 44 36.1	+4.492	+0.444	89.6	44 45 60	2 4798	G0
6397	8.9	51 52.19	3.1872	0.0016	5 1 14.2	4.500	0.451	90.5	61^{a1} 65 262	5 4818	A2
6398	9.0	52 12.17	3.1448	0.0014	3 10 3.4	4.528	0.445	92.2	3 Beob.	3 4425	G5
6399	8.9	52 39.55	3.1198	0.0013	2 4 22.4	4.567	0.441	89.6	44 45 60	2 4804	B9
6400	9.1	52 42.42	3.1892	0.0017	5 6 54.4	4.571	0.451	90.6	37 262	[5 4822]	G0

[1] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6401	9.2	18h 52m 44s.19	+3s.1666	−0s.0016	−4° 7′ 36″.0	+4″.573	+0″.448	91.0	48 264 268	[4° 4646]
6402	8.2	52 49.80	3.1701	0.0016	4 16 40.1	4.581	0.448	91.1	61[a1] 65 253 351	4 4647
6403	9.0	52 53.67	3.1738	0.0016	4 26 21.6	4.587	0.449	91.6	243 257	4 4648
6404	9.0	53 24.57	3.1424	0.0014	3 4 0.1	4.631	0.444	89.6	57 58	3 4433
6405	7.3	53 26.86	3.2041	0.0018	5 46 11.9	4.634	0.453	89.5	37 37[a1] 39	5 4826
6406	9.2	18 53 32.18	+3.1123	−0.0013	−1 44 41.9	+4.642	+0.439	98.1	2 Beob.	1 3610
6407	7.4	53 34.86	3.1833	0.0017	4 51 42.7	4.645	0.450	89.6	48 63	4 4650
6408	9.1	53 37.69	3.2026	0.0018	5 42 19.5	4.649	0.452	91.5	243 247[a1] 257	[5 4829]
6409	9.2	53 38.98	3.1371	0.0014	2 49 56.4	4.651	0.443	89.6	45 60	[2 4809]
6410	9.0	53 41.60	3.1618	0.0016	3 55 4.5	4.655	0.446	91.1	4 Beob.	3 4435
6411	(9.4)[2]	18 53 47.45	+3.1131	−0.0013	−1 46 44.1	+4.663	+0.440	92.1	266 351	[1 3612]
6412	8.4	54 8.26	3.1998	0.0019	5 35 9.6	4.693	0.452	91.5	243 247[a1] 257	5 4830
6413	9.3	54 14.47	3.1148	0.0013	1 51 16.0	4.702	0.440	91.7	255 264	[1 3614]
6414	8.9	54 17.00	3.1179	0.0013	1 59 35.2	4.705	0.440	91.7	262 264	2 4813
6415	8.6	54 20.87	3.1663	0.0016	4 7 5.2	4.711	0.447	89.6	48 63	4 4653
6416	7.4	18 54 23.67	+3.1402	−0.0015	−2 58 19.3	+4.715	+0.443	89.6	44 61[a1] 65	3 4439
6417	9.1	54 27.74	3.1348	0.0014	2 44 3 6	4.720	0.442	90.3	45 60 266	[2 4815]
6418	8.9	54 29.19	3.1671	0.0017	4 9 16.7	4.722	0.447	89.6	48 63	4 4657
6419	9.1	54 33.44	3.1985	0.0019	5 31 44.1	4.728	0.451	91.6	3 Beob.	[5 4831]
6420	9.0	54 47.22	3.1507	0.0016	3 26 4.6	4.748	0.444	97.1	2 Beob.	3 4441
6421	8.8	18 54 47.72	+3.1751	−0.0017	−4 30 22.2	+4.749	+0.448	91.5	243 247[a] 257	4 4658
6422	8.5	55 6.02	3.1980	0.0019	5 30 36.5	4.775	0.451	90.5	61[a1] 65 255	5 4835
6423	8.3	55 10.79	3.1741	0.0017	4 27 51.1	4.781	0.447	89.6	48 63	4 4660
6424	8.6	55 12.14	3.1316	0.0015	2 35 43.4	4.783	0.441	89.6	44 45 60	2 4819
6425	8.3	55 43.07	3.2013	0.0020	5 39 36.3	4.827	0.451	91.5	243 247[a1] 257	5 4836
6426	6.8	18 55 51.89	+3.1766	−0.0018	−4 34 47.7	+4.840	+0.448	89.6	48 63	4 4663
6427	9.0	55 54.65	3.1557	0.0017	3 39 38.5	4.843	0.444	89.7	57 58 61[a1] 65	3 4446
6428	9.5	55 58.30	3.1319	0.0015	2 36 40.8	4.849	0.441	89.6	45 60	[2 4824]
6429	8.8	56 5.86	3.1820	0.0018	4 49 5.0	4.859	0.448	91.7	255 264	4 4665
6430	9.2	56 13.23	3.1152	0.0014	1 52 38.6	4.870	0.439	92.2	2 Beob.	1 3622
6431	9.0	18 56 16.43	+3.1551	−0.0017	−3 38 0.3	+4.874	+0.444	91.7	255 266	3 4449
6432	4.7	56 20.45	3.2063	0.0020	5 52 47.5	4.880	0.451	91.0	37 243 247[a1] 257	5 4840
6433	9.0	56 30.54	3.1198	0.0015	2 4 47.7	4.894	0.439	89.6	44 61[a1] 65	2 4827
6434	8.5	56 35.04	3.1523	0.0017	3 30 49.8	4.901	0.444	89.6	57 58	3 4450
6435	8.5	56 35.21	3.1742	0.0018	4 28 32.4	4.901	0.447	89.6	48 63	4 4668
6436	8.7	18 56 40.32	+3.1639	−0.0018	−4 1 30.0	+4.908	+0.445	92.2	2 Beob.	4 4669
6437	8.1	57 3.92	3.2018	0.0021	5 41 26.2	4.941	0.450	90.1	37 37[a1] 39 264	5 4841
6438	8.8	57 13.53	3.1404	0.0016	2 59 30.1	4.955	0.442	89.6	45 60	3 4454
6439	8.8	57 14.92	3.1707	0.0018	4 19 33.3	4.957	0.446	89.6	48 63	4 4673
6440	9.0	57 21.01	3.1847	0.0020	4 56 22.5	4.966	0.448	90.5	61[a1] 65 255	5 4844
6441	8.1	18 57 31.28	+3.2015	−0.0021	−5 40 48.6	+4.980	+0.450	90.6	39 264	5 4845
6442	8.9	57 32.00	3.2054	0.0021	5 50 54.7	4.981	0.451	91.5	243 247[a1] 257	5 4846
6443	5.7	57 38.50	3.1597	0.0018	3 50 38.3	4.990	0.444	91.0 90.8	57 262 264[3]	3 4460
6444	9.0	57 53.52	3.1545	0.0018	3 36 48.3	5.012	0.443	92.0	3 Beob.	3 4465
6445	8.2	57 56.88	3.2082	0.0022	5 58 26.4	5.016	0.451	91.7	255 268	6 5020
6446	7.0	18 57 57.43	+3.2020	−0.0021	−5 42 16.8	+5.017	+0.450	89.5	37 37[a1] 39	5 4848
6447	7.7	58 4.20	3.1390	0.0017	2 56 2.3	5.027	0.441	89.6	44 45 60	3 4466
6448	8.9	58 15.15	3.1928	0.0021	5 18 2.8	5.042	0.448	90.5	61[a1] 65 262	5 4852
6449	9.2	58 23.04	3.1784	0.0020	4 40 14.2	5.053	0.446	90.6	48 264	[4 4677]
6450	8.3	58 38.56	3.1179	0.0016	2 0 6.3	5.075	0.438	91.9	253 266 351	2 4839

[1] ½ [2] Dupl. 11″ bor. praec.; seq. etwa 0m.2 schwächer [3] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6451	8.8	18h 58m 40s.47	+3s.1992	−0s.0021	−5° 35′ 12″.1	+5″.078	+0″.449	89.5	37 39	5° 4854
6452	8.5	58 58.17	3.1219	0.0016	2 10 38.4	5.103	0.438	89.6	44 61[2,1] 65	2 4840
6453	7.0[2]	59 3.78	3.2048	0.0022	5 49 58.6	5.111	0.450	91.5	243 247[2,1] 257	5 4858
6454	9.0	59 7.80	3.1631	0.0019	4 0 4.9	5.116	0.444	90.9	57 243 257	4 4679
6455	9.0	59 9.97	3.1762	0.0020	4 34 46.5	5.119	0.446	89.6	48 63	4 4680
6456	9.4	18 59 21.77	+3.1145	−0.0016	−1 51 13.1	+5.136	+0.437	90.3	45 60 268	[1 3638]
6457	8.1	59 39.68	3.1673	0.0020	4 11 21.5	5.161	0.444	89.6	48 63	4 4683
6458	5.7	59 40.85	3.1671	0.0020	4 10 48.8	5.163	0.444	89.6	48 63	4 4684
6459	9.5	59 47.16	3.1875	0.0021	5 4 43.4	5.172	0.447	90.6	37 253	[5 4862]
6460	8.8	59 51.06	3.1705	0.0020	4 19 49.6	5.177	0.444	90.5	61[2,1] 65 253	4 4686
6461	9.2	19 0 2.34	+3.1784	−0.0021	−4 40 38.0	+5.193	+0.445	90.6	48 264	[4 4687]
6462	9.0	0 21.22	3.1406	0.0018	3 0 31.1	5.220	0.440	91.7	255 264	3 4475
6463	8.2	0 30.43	3.1582	0.0020	3 47 27.9	5.233	0.442	91.5	243 247[2,1] 257	3 4476
6464	8.8	0 33.87	3.1911	0.0022	5 14 25.9	5.238	0.447	89.5	37 39	5 4872
6465	9.0	0 38.68	3.1258	0.0017	2 21 28.3	5.244	0.438	91.5	243 247[2,1] 257	2 4851
6466	9.0	19 0 51.40	+3.1270	−0.0018	−2 24 31.7	+5.262	+0.438	91.5	243 247[1] [2]257	2 4853
6467	9.0	0 54.90	3.1966	0.0023	5 29 6.1	5.267	0.448	91.7	262 264	5 4874
6468	3.1	0 56.50	3.1863	0.0022	5 1 57.3	5.269	0.446		**Fund. Kat.**	5 4876
6469	8.5	0 56.58	3.1810	0.0022	4 47 53.2	5.270	0.445	89.6	48 63	4 4692
6470	8.5	0 56.68	3.1944	0.0023	5 23 23.3	5.270	0.447	91.7	262 268	5 4875
6471	9.2	19 0 57.91	+3.1153	−0.0017	−1 53 21.7	+5.271	+0.436	91.7	253 266	[1 3646]
6472	8.9	1 0.36	3.1642	0.0020	4 3 25.1	5.275	0.443	91.7	262 268	4 4694
6473	9.0	1 45.62	3.1799	0.0022	4 45 20.8	5.338	0.445	90.6	48 268	4 4696
6474	8.0	1 45.65	3.1152	0.0017	1 53 18.3	5.339	0.436	91.7	253 266	1 3653
6475	9.1	1 46.25	3.2070	0.0024	5 57 5.3	5.339	0.448	92.9	3 Beob.	[6 5038]
6476	9.2	19 1 51.38	+3.1230	−0.0018	−2 14 2.7	+5.347	+0.437	91.9	4 Beob.	[2 4859]
6477	7.8	1 55.60	3.1866	0.0023	5 3 10.9	5.353	0.446	89.5	37 37[2,1] 39	5 4877
6478	9.1	1 58.87	3.1256	0.0018	2 21 2.7	5.357	0.437	91.5	243 247[2,1] 257	[2 4860]
6479	8.9	1 59.85	3.1833	0.0022	4 54 22.6	5.358	0.445	91.7	255 266	4 4697
6480	8.5	2 13.09	3.1943	0.0023	5 23 42.9	5.377	0.446	91.7	262 264	5 4881
6481	9.0	19 2 19.63	+3.1324	−0.0019	−2 39 15.2	+5.386	+0.438	91.6	253 264	2 4864
6482	8.3	2 20.89	3.1879	0.0023	5 6 49.4	5.388	0.445	89.5	37 39	5 4882
6483	8.8	2 23.85	3.1741	0.0022	4 30 11.0	5.392	0.444	89.6	48 63	4 4699
6484	8.2	2 23.90	3.1396	0.0019	2 58 27.9	5.392	0.439	91.7	262 266	3 4485
6485	9.0	2 30.46	3.1314	0.0019	2 36 33.6	5.401	0.437	90.8	3 Beob.	2 4865
6486	8.5	19 2 38.73	+3.1448	−0.0020	−3 12 25.4	+5.413	+0.439	91.5	243 247[2,1] 257	3 4486
6487	7.8	2 54.83	3.1964	0.0024	5 29 23.0	5.436	0.446	89.9 90.0	5 Beob.	5 4884
6488	8.5	2 54.97	3.1557	0.0021	3 41 29.9	5.436	0.441	90.7	175 179	3 4489
6489	9.0	2 59.95	3.1315	0.0019	2 36 52.6	5.443	0.437	90.4	44[1] 65[1] 176 181	2 4868
6490	9.3	3 19.24	3.1933	0.0024	5 21 17.0	5.470	0.446	91.1	5 Beob.	[5 4887]
6491	7.0	19 3 39.49	+3.1276	−0.0019	−2 26 47.7	+5.498	+0.436	90.3	44 65 266	2 4872
6492	8.7	3 43.85	3.1513	0.0021	3 29 59.8	5.504	0.439	89.6	57 58	3 4494
6493	8.5	3 52.73	3.1918	0.0024	5 17 39.1	5.517	0.445	90.0 90.1	37 39 173[2] 173[3]	5 4888
6494	9.3	3 54.83	3.1851	0.0024	4 59 43.2	5.520	0.444	90.3	48 175 179	[5 4889]
6495	8.9	3 55.15	3.2044	0.0025	5 51 1.6	5.520	0.447	91.0	167 169 253	5 4890
6496	9.3	19 4 4.42	+3.1147	−0.0018	−1 52 16.7	+5.533	+0.434	90.7	65 176 181 262	1 3668
6497	9.0	4 16.51	3.1868	0.0024	5 4 22.4	5.550	0.444	91.0	167 169 255	5 4892
6498	8.0	4 32.40	3.1589	0.0022	3 50 19.9	5.572	0.440	90.3	57 58 266	3 4499
6499	9.5	4 46.70	3.1147	0.0019	1 52 27.0	5.592	0.434	97.1	2 Beob.	[1 3673]
6500	8.8	4 52.98	3.2073	0.0026	5 59 0.1	5.601	0.447	90.1	37 39 175 179	6 5049

[1] ½ [2] rot — ganz rot [3] *a* ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6501	9.5	19h 4m 53.30s	+3.1143s	−0.0019s	−1° 51′ 22.9″	+5.602″	+0.434″	90.6	44 264	[1° 3675]
6502	8.2	4 56.86	3.1672	0.0023	4 12 44.3	5.607	0.441	90.1 90.2	48 63 173[2] 173[1]	4 4707
6503	8.5	5 7.02	3.1830	0.0024	4 54 36.4	5.621	0.443	90.3	48 176 181	4 4708
6504	9.0	5 14.38	3.1312	0.0020	2 36 37.2	5.631	0.436	91.0	167 169 253	2 4878
6505	8.0	5 51.63	3.1690	0.0023	4 17 36.1	5.683	0.441	90.1	37 37[22] 39 264	4 4712
6506	7.7	19 5 57.41	+3.1354	−0.0021	−2 47 58.7	+5.691	+0.436	90.1 90.2	44 65 173[2] 173[1]	2 4881
6507	8.5	6 24.89	3.1633	0.0023	4 2 35.7	5.730	0.440	90.2	48 63 175 179	4 4716
6508	8.0	6 25.11	3.1450	0.0022	3 13 50.0	5.730	0.437	90.2	57 58 176 181	3 4505
6509	9.0	6 33.18	3.1606	0.0023	3 55 25.8	5.741	0.439	90.7	167 169	3 4506
6510	8.8	6 36.92	3.1296	0.0021	2 32 42.3	5.747	0.435	90.2	44 65[1] 176 181	2 4885
6511	8.9	19 6 49.51	+3.1330	−0.0021	−2 41 48.7	+5.764	+0.435	91.5	243 247[22] 257	2 4886
6512	9.0	7 1.62	3.2035	0.0027	5 50 2.5	5.781	0.445	91.1 91.0	173[2] 173[1] 253	5 4902
6513	8.2	7 4.99	3.1764	0.0025	4 37 47.2	5.786	0.441	90.7	175 179	4 4719
6514	7.5	7 7.82	3.1978	0.0027	5 34 48.0	5.790	0.444	91.7	262 268	5 4903
6515	9.3	7 8.36	3.1589	0.0023	3 51 5.9	5.791	0.438	89.6	57 58	[3 4508]
6516	9.0	19 7 28.72	+3.1849	−0.0026	−5 0 43.2	+5.819	+0.442	91.7	262 268	5 4905
6517	8.5	7 36.66	3.1900	0.0026	5 14 20.5	5.830	0.443	90.7	176 181	5 4906
6518	9.1	7 36.80	3.2059	0.0027	5 56 45.7	5.830	0.445	91.7	255 272	[6 5065]
6519	9.1	7 40.54	3.1560	0.0024	3 43 36.6	5.836	0.438	97.6	2 Beob.	[3 4511]
6520	9.1	7 42.52	3.1482	0.0023	3 22 33.9	5.838	0.437	89.6	44 65	[3 4512]
6521	8.5	19 7 43.63	+3.1558	−0.0024	−3 42 58.0	+5.840	+0.438	99.9	3 Beob.	3 4513
6522	9.0	7 44.06	3.1529	0.0023	3 35 15.2	5.840	0.437	90.4 90.5	58[3] 175 179	3 4514
6523	8.0	7 50.31	3.1656	0.0024	4 9 19.0	5.849	0.439	91.7	262 264	4 4724
6524	8.5	7 58.22	3.1537	0.0023	3 37 34.5	5.860	0.437	90.3	57 173[2] 173[1]	3 4516
6525	9.0	8 20.52	3.1753	0.0025	4 35 17.3	5.891	0.440	89.6	48 63	4 4725
6526	8.8	19 8 32.87	+3.2085	−0.0028	−6 3 59.3	+5.909	+0.445	89.5	37 39	6 5072
6527	8.3	8 36.14	3.1174	0.0021	2 0 19.0	5.913	0.432	90.2	44 65 176 181	2 4897
6528	9.1	8 40.08	3.1848	0.0026	5 0 51.8	5.919	0.441	91.7	258 268	5 4912
6529	9.0	8 41.00	3.1376	0.0023	2 54 21.6	5.920	0.435	91.7	255 264	2 4899
6530	8.9	8 48.73	3.1169	0.0021	1 58 58.2	5.931	0.432	90.7	65 262	2 4901
6531	9.3	19 8 55.42	+3.1145	−0.0021	−1 52 35.0	+5.940	+0.431	91.7	262 266	1 3682
6532	7.8	9 0.66	3.2038	0.0028	5 51 48.3	5.947	0.444	90.0 90.1	37 39 173[2] 173[1]	5 4915
6533	7.8	9 1.92	3.1546	0.0024	3 40 17.4	5.949	0.437	90.1	5 Beob.	3 4522
6534	9.1	9 2.20	3.1238	0.0022	2 17 30.2	5.949	0.432	91.7	258 266 272	2 4902
6535	8.5	9 16.92	3.1304	0.0022	2 35 10.5	5.970	0.433	91.6	243 257	2 4905
6536	8.7	19 9 33.80	+3.1520	−0.0024	−3 33 24.0	+5.993	+0.436	90.7	167 169	3 4526
6537	9.0	9 45.23	3.1762	0.0026	4 38 22.4	6.009	0.439	90.6	48 264	4 4732
6538	8.5	9 50.41	3.1507	0.0024	3 30 2.3	6.016	0.436	90.3	6 Beob.	3 4530
6539	8.4	9 55.77	3.1650	0.0026	4 8 22.9	6.024	0.437	90.7	175 179	4 4737
6540	9.4	9 56.36	3.1129	0.0021	1 48 18.0	6.025	0.430	90.0 90.1	44 65 176δ[2] 181	1 3689
6541	8.5	19 9 56.73	+3.1513	−0.0024	−3 31 32.7	+6.025	+0.436	97.0	2 Beob.	3 4532
6542	7.8	10 12.41	3.1459	0.0024	3 17 17.3	6.047	0.435	90.7	167 169	3 4535
6543	8.6	10 23.05	3.1443	0.0024	3 12 54.5	6.062	0.434	91.6	243 257	3 4536
6544	9.0	10 24.17	3.1865	0.0028	5 6 4.9	6.063	0.440	89.5	37 39	5 4917
6545	9.1	10 26.64	3.1512	0.0025	3 31 31.1	6.067	0.435	89.6	48 63	3 4537
6546	9.0	19 10 28.09	+3.1407	−0.0024	−3 3 8.9	+6.069	+0.434	91.7	258 266	3 4538
6547	9.0	10 29.84	3.1951	0.0028	5 29 11.0	6.071	0.441	91.7	255 268	5 4918
6548	8.3	10 31.22	3.1340	0.0023	2 45 13.3	6.073	0.433	91.6	243 257	2 4912
6549	9.1	10 34.05	3.1923	0.0028	5 21 40.8	6.077	0.441	91.7	262 268 272	5 4920
6550	9.0	10 36.74	3.2026	0.0029	5 49 15.2	6.081	0.442	91.7	255 268	5 4921

[1] α ½   [2] ½   [3] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6551	8.5	19h 10m 37s.62	+3s.1214	—0s.0022	—2° 11' 26".4	+6".082	+0".431	91.7	262 264	2° 4913
6552	8.9	10 44.03	3.1151	0.0022	1 54 25.9	6.091	0.430	89.6	44 65	1 3693
6553	9.0	10 56.75	3.2048	0.0029	5 55 13.5	6.109	0.442	90.1	37 39 175 179	5 4922
6554	9.0	10 57.19	3.1500	0.0025	3 28 26.6	6.109	0.435	90.0 90.1	6 Beob.	3 4541
6555	8.5	11 2.49	3.1359	0.0024	2 50 30.5	6.117	0.433	91.2 91.1	176δ[1] 181 266	2 4916
6556	8.9	19 11 4.03	+3.1200	—0.0022	—2 7 36.2	+6.119	+0.431	89.6	44 65	2 4917
6557	8.5	11 9.53	3.1241	0.0023	2 18 35.6	6.126	0.431	90.7	167 169	2 4918
6558	8.6	11 23.55	3.1260	0.0023	2 23 53.8	6.146	0.431	91.6	243 257	2 4920
6559	9.4	11 32.60	3.1612	0.0026	3 58 43.3	6.158	0.436	90.6	48 268	4 4748
6560	7.8	11 39.31	3.1802	0.0028	4 49 52.0	6.168	0.439	90.1	37 39[2] 173[2] 173[3]	4 4750
6561	8.3	19 11 46.44	+3.1199	—0.0023	—2 7 29.6	+6.178	+0.430	89.6	44 65	2 4924
6562	9.1	11 48.41	3.1433	0.0025	3 10 30.8	6.180	0.433	91.7	258 272	[3 4546]
6563	8.2	11 50.47	3.1719	0.0027	4 27 29.0	6.183	0.437	91.7 91.5	176δ[1] 258 266	4 4751
6564	8.7	11 54.46	3.1517	0.0026	3 33 22.8	6.189	0.435	91.7	255 264	3 4548
6565	9.0	11 54.70	3.1614	0.0026	3 59 12.9	6.189	0.436	90.5	63[1] 175 179	4 4753
6566	9.1	19 11 59.80	+3.1120	—0.0022	—1 46 12.3	+6.196	+0.429	91.7	262 272	[1 3697]
6567	9.0	12 4.13	3.1724	0.0027	4 28 55.7	6.202	0.437	91.2	181 266	4 4754
6568	9.2	12 13.68	3.1502	0.0026	3 29 16.7	6.215	0.434	89.6	57 58	3 4549
6569	9.0	12 44.70	3.1538	0.0026	3 39 10.5	6.258	0.434	90.3 90.2	48 167[3] 169	3 4553
6570	7.4	12 47.55	3.1973	0.0030	5 36 12.4	6.262	0.440	89.9 90.0	37 39 176δ[1] 181	5 4927
6571	9.0	19 13 9.49	+3.1976	—0.0030	—5 37 11.3	+6.293	+0.440	90.1 90.2	37 39[1] 173[2] 173[3]	5 4928
6572	9.0	13 11.48	3.1239	0.0024	2 18 39.3	6.295	0.430	89.6	44 65	2 4932
6573	7.8	13 26.83	3.2050	0.0031	5 57 12.2	6.317	0.441	90.7	167 169	6 5096
6574	9.2	13 28.84	3.1463	0.0026	3 19 5.6	6.319	0.433	90.3	57 58 272	[3 4556]
6575	9.2	13 29.60	3.1185	0.0024	2 4 7.3	6.321	0.429	91.6	243 257	[2 4935]
6576	9.3	19 13 32.50	+3.1629	—0.0027	—4 3 51.3	+6.325	+0.435	91.0	63 258 262	[4 4765]
6577	8.3	13 33.09	3.1117	0.0023	1 45 35.5	6.325	0.428	89.6	44 65	1 3706
6578	9.0	13 35.38	3.1710	0.0028	4 25 51.0	6.329	0.436	91.6	243 257	4 4766
6579	8.2	13 37.49	3.1605	0.0027	3 57 25.1	6.331	0.435	90.7	175 179	4 4768
6580	9.5	13 45.25	3.1639	0.0028	4 6 36.8	6.342	0.435	90.9 90.8	63[1] 173[2] 173[3] 258	[4 4770]
6581	9.2	19 13 56.00	+3.1651	—0.0028	—4 10 8.6	+6.357	+0.435	90.7	175 179	[4 4773]
6582	8.5	14 3.99	3.2014	0.0031	5 47 48.8	6.368	0.440	91.2 91.1	176δ[1] 181 264	5 4933
6583	8.3	14 16.27	3.1848	0.0030	5 3 12.0	6.385	0.437	89.5	37 39	5 4934
6584	8.8	14 28.49	3.1507	0.0027	3 31 24.6	6.402	0.433	89.6	57 58	3 4559
6585	9.3	14 34.44	3.1839	0.0030	5 1 2.6	6.410	0.437	90.6	39 264	[5 4935]
6586	9.5	19 14 48.90	+3.1441	—0.0026	—3 13 34.4	+6.430	+0.431	91.3	5 Beob.	[3 4562]
6587	9.2	14 51.83	3.1377	0.0026	2 56 18.0	6.434	0.431	98.1	2 Beob.	[3 4563]
6588	8.7	14 54.10	3.1121	0.0024	1 46 51.9	6.437	0.427	90.2	44 65 175 179	1 3711
6589	9.2	14 55.87	3.1380	0.0026	2 57 14.0	6.440	0.431	91.6	243 257 268	[3 4565]
6590	7.8	15 2.48	3.1343	0.0026	2 47 13.1	6.449	0.430	91.2 91.1	176δ[1] 181 264	2 4943
6591	5.0	19 15 12.55	+3.1969	—0.0032	—5 36 10.0	+6.463	+0.438	90.6	39 264	5 4936
6592	8.3	15 21.54	3.2002	0.0032	5 45 10.4	6.475	0.439	90.7	167 169	5 4938
6593	8.7	15 21.93	3.1665	0.0029	4 14 26.9	6.476	0.434	97.1 94.6	3 Beob.	4 4779
6594	7.3	15 24.13	3.1315	0.0026	2 39 40.3	6.479	0.429	89.6	44 57 58 65	2 4946
6595	9.0	15 25.38	3.2074	0.0033	6 4 34.0	6.481	0.440	91.6	243 257	6 5109
6596	7.0	19 15 30.76	+3.1765	—0.0030	—4 41 19.1	+6.488	+0.435	89.6	48 63	4 4781
6597	9.0	15 36.26	3.1971	0.0032	5 37 1.5	6.496	0.438	89.5	37 39	5 4939
6598	8.8	15 38.61	3.1149	0.0024	1 54 31.1	6.499	0.427	91.6	243 257	1 3717
6599	8.9	15 41.45	3.1941	0.0031	5 28 51.3	6.503	0.438	90.7	167 169	5 4940
6600	8.7	16 3.99	3.2008	0.0032	5 47 6.9	6.534	0.439	90.7	175 179	5 4941

[1] ½ [2] a ½ [3] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6601	8.5	19h 16m 23s.67	+3s.1317	−0s.0026	−2° 40' 17".2	+6".561	+0".429	90.0 90.1	44 65 176δ[1] 181	2° 4950
6602	8.2	16 28.18	3.1833	0.0031	5 0 9.1	6.567	0.436	91.1 91.0	173[a] 173[2] 258	5 4942
6603	9.0	16 32.88	3.1337	0.0026	2 45 51.0	6.574	0.429	90.3	44 65 258	2 4954
6604	8.0	16 35.16	3.1174	0.0025	2 1 40.4	6.577	0.427	91.2 91.1	176δ[1] 181 264	2 4956
6605	9.0	16 35.56	3.1896	0.0032	5 17 11.1	6.577	0.437	91.6	243 257	5 4943
6606	9.1	19 16 43.24	+3.1954	−0.0032	−5 32 51.9	+6.588	+0.437	90.6	37 167 169 275	[5 4944]
6607	7.5	16 45.62	3.1815	0.0031	4 55 34.7	6.591	0.435	90.1 90.2	48 63 173[a] 173[2]	5 4945
6608	9.4	16 46.07	3.1814	0.0031	4 55 16.4	6.592	0.435	89.6	48 63	5 4946
6609	8.5	17 7.44	3.1758	0.0031	4 40 11.0	6.621	0.434	90.3	48 175 179	4 4787
6610	8.7	17 10.06	3.1570	0.0029	3 49 25.5	6.625	0.432	89.6	57 58	3 4572
6611	7.0	19 17 18.22	+3.1589	−0.0029	−3 54 28.8	+6.636	+0.432	90.7	167 169	3 4573
6612	9.2	17 34.07	3.1205	0.0026	2 10 13.2	6.658	0.426	90.3	44 65 275	[2 4963]
6613	9.1	17 35.80	3.1158	0.0025	1 57 29.9	6.660	0.426	91.6	243 257 264	[2 4964]
6614	8.8	17 35.89	3.1404	0.0027	3 4 26.0	6.660	0.429	90.0 90.1	57 58 176δ[1] 181	3 4577
6615	9.1	18 11.57	3.1774	0.0031	4 45 1.8	6.709	0.434	90.1 90.2	48 63[1] 173[a] 173[2]	[4 4791]
6616	8.7[3]	19 18 15.72	+3.1740	−0.0031	−4 35 49.5	+6.715	+0.433	90.7	167 169	4 4793
6617	9.0	18 22.92	3.1889	0.0033	5 16 14.3	6.725	0.435	90.6	37 258	5 4954
6618	7.4	18 44.57	3.1982	0.0034	5 41 40.6	6.755	0.436	90.7	175 179	5 4956
6619	8.8	18 50.28	3.1835	0.0032	5 1 48.7	6.763	0.434	91.6	243 257	5 4958
6620	8.8	18 50.41	3.1940	0.0033	5 30 17.4	6.763	0.436	91.1 91.0	173[a] 173[2] 255	5 4957
6621	9.1	19 18 53.90	+3.1245	−0.0027	−2 21 16.6	+6.768	+0.426	91.4 91.3	176δ[1] 181 264 272	[2 4973]
6622	9.0	19 3.59	3.1966	0.0034	5 37 27.6	6.781	0.436	90.6	37 255	5 4959
6623	8.0	19 4.77	3.1713	0.0031	4 28 56.3	6.782	0.432	89.6	48 63[1]	4 4799
6624	9.0	19 5.19	3.1179	0.0026	2 3 30.1	6.783	0.425	89.6	44 65	2 4974
6625	9.2	19 5.23	3.1394	0.0028	3 1 58.6	6.783	0.428	90.7	57 58 266 275	[3 4585]
6626	9.0	19 19 14.86	+3.1164	−0.0026	−1 59 25.3	+6.796	+0.425	89.6	44 65	2 4975
6627	9.5	19 15.18	3.2045	0.0034	5 58 52.2	6.797	0.437	91.7	258 262 266	[6 5133]
6628	7.6	19 24.98	3.1963	0.0034	5 36 48.1	6.810	0.435	90.3	37 175 179	5 4961
6629	6.8	19 43.01	3.1844	0.0033	5 4 49.7	6.835	0.434	91.6	243 257	5 4964
6630	8.9	19 47.11	3.1306	0.0028	2 38 17.8	6.841	0.426	91.7	255 264	2 4978
6631	8.5	19 19 53.26	+3.1758	−0.0032	−4 41 30.7	+6.849	+0.432	90.1 90.2	48 63[1] 176δ[1] 181	4 4803
6632	8.9	20 4.64	3.1525	0.0030	3 38 6.0	6.865	0.429	91.7	262 266	3 4587
6633	8.7	20 6.09	3.1233	0.0027	2 18 17.6	6.867	0.425	91.7	255 268	2 4982
6634	9.1	20 6.33	3.1238	0.0027	2 19 49.6	6.867	0.425	91.7	268 275	[2 4983]
6635	8.0	20 11.20	3.1590	0.0031	3 55 47.2	6.874	0.430	91.6	243 257	4 4805
6636	7.0	19 20 25.91	+3.1222	−0.0027	−2 15 31.6	+6.894	+0.425	91.2 91.1	176δ[1] 181 264	2 4986
6637	9.0	20 33.43	3.1173	0.0027	2 1 56.7	6.904	0.424	91.7	262 266	2 4987
6638	9.1	20 48.26	3.1854	0.0034	5 8 2.4	6.924	0.433	91.7	262 264	[5 4971]
6639	9.2	21 3.41	3.1981	0.0035	5 42 34.3	6.945	0.435	91.7	262 266 275	[5 4973]
6640	7.8	21 10.66	3.1197	0.0027	2 8 43.9	6.955	0.424	91.7	255 264	2 4992
6641	8.5	19 21 57.82	+3.1661	−0.0032	−4 15 51.4	+7.019	+0.429	90.1 90.2	48 63[1] 176δ[1] 181	4 4811
6642	8.8	21 59.22	3.1707	0.0033	4 28 32.1	7.021	0.430	91.6	243 257	4 4812
6643	7.7	22 0.44	3.2029	0.0036	5 56 3.7	7.023	0.434	90.0 90.1	37 39 173[a] 173[2]	6 5151
6644	7.5	22 10.88	3.1213	0.0028	2 13 18.0	7.037	0.423	89.6	44 65	2 4998
6645	8.8	22 13.70	3.1687	0.0033	4 23 9.1	7.041	0.430	90.2	48 63[1] 167 169	4 4814
6646	6.8	19 22 33.95	+3.1826	−0.0034	−5 1 12.4	+7.069	+0.431	90.5 90.4	5 Beob.	5 4979
6647	9.3	22 44.35	3.1825	0.0034	5 0 54.7	7.083	0.431	91.4 90.9	37[4] 258 262	5 4980
6648	8.7	22 49.70	3.1970	0.0036	5 40 29.4	7.090	0.433	91.6	243 257 258	5 4981
6649	8.3	22 55.98	3.1438	0.0031	3 15 20.9	7.099	0.426	90.4 90.5	4.5 Beob.	3 4598
6650	8.8	23 3.55	3.1309	0.0029	2 40 1.0	7.109	0.424	90.1 90.2	44 65 173[a] 173[2]	2 5003

[1] ½ [2] a½ [3] Dupl. 2" med; bor. schwach 9m [4] a½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6651	9.0	19ʰ 23ᵐ 17ˢ.71	+3ˢ.1588	—0ˢ.0032	—3° 56′ 31″.8	+7″.128	+0″.428	90.3	48 167 169	4° 4815
6652	9.4	23 18.55	3.1317	0.0030	2 42 14.8	7.130	0.424	89.6	44 65	[2 5005]
6653	8.8	23 26.83	3.1940	0.0036	5 32 46.3	7.141	0.432	90.6	37 176[a1] 181 264	5 4983
6654	9.1	23 30.96	3.1325	0.0030	2 44 32.7	7.146	0.424	90.7	175 179	[2 5007]
6655	8.3	24 3.27	3.1728	0.0034	4 35 0.6	7.190	0.429	90.1 90.2	48 63[1] 173[a] 173[2]	4 4816
6656	8.8	19 24 10.26	+3.1384	—0.0031	—3 0 48.3	+7.200	+0.424	90.3	57 58 266	3 4603
6657	9.0	24 19.79	3.1230	0.0029	2 18 30.0	7.213	0.422	90.7	65 167 169 255	2 5011
6658	8.8	24 26.73	3.1365	0.0031	2 55 35.5	7.222	0.424	95.3 96.2	3 Beob.	3 4606
6659	9.1	24 33.09	3.1219	0.0029	2 15 27.1	7.231	0.421	90.3	44 65 272	[2 5014]
6660	8.5	24 41.25	3.1846	0.0036	5 7 46.8	7.242	0.430	90.6	37 258	5 4985
6661	9.0	19 24 58.73	+3.1372	—0.0031	—2 57 36.8	+7.266	+0.423	91.7	258 264	3 4609
6662	9.0	24 59.65	3.1728	0.0035	4 35 27.6	7.267	0.428	94.6	3 Beob.	4 4826
6663	8.2	25 2.84	3.1465	0.0032	3 23 27.0	7.271	0.424	90.1 90.2	57 58 173[a] 173[2]	3 4611
6664	9.1	25 19.42	3.1279	0.0030	2 32 6.3	7.294	0.422	90.7	167 169	[2 5019]
6665	**5.3**	**25 26.02**	**3.1379**	**0.0031**	**2 59 50.4**	**7.303**	**0.423**		**Fund. Kat.**	**3 4612**
6666	8.5	19 25 46.03	+3.1699	—0.0035	—4 27 51.1	+7.330	+0.427	89.6	48 63	4 4832
6667	7.7	25 47.95	3.1215	0.0030	2 14 39.0	7.333	0.420	89.6	44 65	2 5022
6668	8.4	25 53.19	3.2009	0.0038	5 52 52.0	7.340	0.431	91.7	258 268	5 4989
6669	7.3	26 3.65	3.1231	0.0030	2 19 12.4	7.354	0.420	90.6	44 268	2 5024
6670	8.5	26 11.72	3.1621	0.0034	4 6 36.9	7.365	0.426	89.9	48 57 58 173[a]	4 4834
6671	8.2	19 26 15.38	+3.1887	—0.0037	—5 19 41.7	+7.370	+0.429	90.3	37 167 169	5 4992
6672	9.0	26 29.05	3.1382	0.0032	3 1 3.2	7.388	0.422	90.7	175 179	3 4618
6673	9.1	26 29.71	3.1273	0.0031	2 30 49.0	7.389	0.421	91.7	258 266	[2 5025]
6674	9.0	26 37.71	3.1227	0.0030	2 18 16.9	7.400	0.420	89.6	44 65	2 5026
6675	9.0	26 41.69	3.1287	0.0031	2 34 54.9	7.406	0.421	91.6	243 257 272	2 5027
6676	9.4	19 26 52.05	+3.1292	—0.0031	—2 36 8.2	+7.420	+0.421	91.6	243 257	[2 5028]
6677	8.9	26 54.65	3.1900	0.0037	5 23 41.0	7.423	0.429	90.3	37 181 185	5 4995
6678	9.0	26 58.02	3.1970	0.0038	5 42 59.4	7.428	0.430	91.7	255 264	5 4996
6679	9.1	27 10.56	3.1645	0.0035	4 13 37.0	7.445	0.425	90.2	48 63 173[a] 173	4 4837
6680	9.0	27 15.12	3.1832	0.0037	5 5 20.5	7.451	0.428	91.0	167 169 275	5 4999
6681	9.0	19 27 23.97	+3.2040	—0.0039	—6 2 22.7	+7.463	+0.430	90.6	37 175 258	6 5177
6682	9.4	27 35.60	3.1240	0.0031	2 22 4.6	7.479	0.419	91.7	262 264	[2 5031]
6683	8.0	28 5.60	3.1799	0.0037	4 56 27.0	7.519	0.427	90.1	37 39 173[a] 173	5 5003
6684	8.5	28 20.48	3.1180	0.0031	2 5 36.7	7.539	0.418	90.7	65 258	2 5036
6685	9.0	28 21.48	3.1679	0.0036	4 23 37.9	7.541	0.425	90.4	6 Beob.	4 4841
6686	8.5	19 28 21.86	+3.1559	—0.0035	—3 50 27.2	+7.541	+0.423	90.3	57 167 169	3 4627
6687	9.0	28 22.46	3.1680	0.0036	4 23 52.1	7.542	0.425	89.6	48 63	4 4842
6688	7.6	28 25.56	3.1801	0.0037	4 57 26.8	7.546	0.426	97.0	2 Beob.	5 5006
6689	9.1	28 25.97	3.1407	0.0033	3 8 26.7	7.547	0.421	91.7	255 262 266 272	[3 4628]
6690	8.6	28 42.50	3.1243	0.0032	2 23 12.6	7.569	0.419	90.9	44 243 257	2 5038
6691	9.1	19 28 52.91	+3.1207	—0.0031	—2 13 9.6	+7.583	+0.418	91.2	65 255 258 266	[2 5039]
6692	8.8	28 56.13	3.1199	0.0031	2 11 7.6	7.587	0.418	91.2	185 264	2 5040
6693	8.5	28 58.27	3.1485	0.0034	3 30 22.1	7.590	0.422	90.4	63 175 179	3 4630
6694	8.5	29 12.52	3.1737	0.0037	4 40 0.0	7.610	0.425	90.1	37 48 173[a] 173	4 4843
6695	9.2	29 43.87	3.1361	0.0033	2 56 15.5	7.652	0.419	90.2	57 58 167 169	[3 4635]
6696	8.5	19 29 52.92	+3.1248	—0.0032	—2 24 53.0	+7.664	+0.418	90.2	44 65 175 179	2 5048
6697	7.8	29 55.66	3.1705	0.0037	4 31 42.0	7.668	0.424	90.1	48 63[1] 185	4 4846
6698	8.9	29 59.55	3.1260	0.0032	2 28 5.5	7.673	0.418	90.7	176 181	2 5049
6699	9.0	30 28.46	3.1134	0.0031	1 53 24.8	7.712	0.416	90.7	65 258	1 3777
6700	9.0	30 31.03	3.1554	0.0036	3 50 2.4	7.715	0.421	93.0	3 Beob.	3 4641

[1] ½ [2] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6701	9.0	19h 30m 31s.29	+3s.1540	−0s.0036	−3° 46′ 4″.2	+7″.716	+0″.421	91.6	243 257	3° 4640
6702	9.0	30 32.56	3.1300	0.0033	2 39 36.3	7.717	0.418	91.7	266 275	2 5052
6703	8.8	30 34.16	3.1976	0.0040	5 46 48.9	7.720	0.427	90.3	37 173a 173	5 5016
6704	9.0	30 36.30	3.1801	0.0038	4 58 20.7	7.722	0.425	93.0	3 Beob.	5 5017
6705	9.0	30 37.30	3.1753	0.0038	4 45 13.5	7.724	0.424	90.7	176 181	4 4850
6706	9.0	19 30 37.84	+3.1965	−0.0040	−5 43 38.4	+7.725	+0.427	95.3 94.4	3 Beob.	5 5018
6707	7.7	30 38.41	3.1303	0.0033	2 40 28.4	7.725	0.418	91.7	264 275	2 5054
6708	8.5	30 39.14	3.1434	0.0034	3 16 38.6	7.726	0.420	89.6	57 58	3 4642
6709	9.2	30 44.19	3.1121	0.0031	1 49 35.2	7.733	0.415	91.7	266 290	1 3779
6710	8.5	30 54.89	3.1721	0.0038	4 36 37.2	7.747	0.423	91.2	185 272	4 4852
6711	9.0	19 30 56.56	+3.1959	−0.0040	−5 42 17.2	+7.750	+0.426	93.0	3 Beob.	5 5019
6712	8.2	30 58.97	3.1379	0.0034	3 1 39.7	7.753	0.419	91.7	272 275[1]	3 4645
6713	8.9	30 59.56	3.1331	0.0034	2 48 16.3	7.754	0.418	93.7	2 Beob.	2 5056
6714	8.3	31 1.96	3.1813	0.0039	5 1 55.5	7.757	0.424	96.6	3 Beob.	5 5020
6715	8.3	31 7.88	3.1274	0.0033	2 32 29.4	7.765	0.417	91.7	268 275	2 5057
6716	7.8	19 31 16.20	+3.1804	−0.0039	−4 59 37.0	+7.776	+0.424	90.7	176 181	5 5021
6717	8.0	31 22.24	3.1983	0.0041	5 49 6.2	7.784	0.426	92.5	4 Beob.	5 5022
6718	8.8	31 22.88	3.1756	0.0038	4 46 29.3	7.785	0.423	93.0	3 Beob.	4 4853
6719	7.5	31 28.34	3.1701	0.0038	4 31 18.6	7.792	0.423	93.7	2 Beob.	4 4855
6720	9.2	31 34.41	3.1351	0.0034	2 53 51.2	7.801	0.418	93.7	2 Beob.	2 5059
6721	9.3	19 31 36.53	+3.1126	−0.0032	−1 51 14.0	+7.803	+0.415	93.7	2 Beob.	[1 3784]
6722	8.5	31 52.75	3.1756	0.0039	4 46 47.9	7.825	0.423	91.7	262 264	4 4858
6723	8.0	31 56.84	3.1523	0.0036	3 41 54.4	7.831	0.420	91.2	185 268	3 4649
6724	7.5	31 58.89	3.1883	0.0040	5 21 54.6	7.833	0.425	93.0	3 Beob.	5 5023
6725	9.0	32 3.71	3.1486	0.0036	3 31 44.3	7.840	0.419	91.7	262 272	3 4650
6726	9.0	19 32 4.37	+3.1480	−0.0036	−3 30 9.6	+7.841	+0.419	92.7	3 Beob.	3 4651
6727	9.0	32 17.85	3.1129	0.0032	1 52 20.0	7.859	0.414	90.7	176 181	1 3789
6728	8.3	32 22.45	3.1618	0.0037	4 8 30.0	7.865	0.421	93.1	3 Beob.	4 4860
6729	8.5	32 23.19	3.1355	0.0034	2 55 23.8	7.866	0.417	93.0	3 Beob.	3 4656
6730	9.0	32 24.50	3.2021	0.0042	6 0 32.3	7.868	0.426	93.7	2 Beob.	6 5211
6731	7.3	19 32 25.13	+3.1865	−0.0040	−5 17 8.9	+7.869	+0.424	90.6	37 275	5 5026
6732	9.0	32 28.55	3.1870	0.0040	5 18 41.5	7.873	0.424	90.6	37 275	5 5027
6733	5.0	32 28.96	3.1775	0.0039	4 52 14.5	7.874	0.423	89.6	48 63	4 4861
6734	8.8	32 36.96	3.1977	0.0041	5 48 16.4	7.885	0.425	93.0	3 Beob.	5 5029
6735	8.9	32 37.83	3.1299	0.0034	2 39 45.4	7.886	0.416	89.6	44 65	2 5066
6736	8.6	19 32 46.43	+3.1766	−0.0039	−4 50 1.9	+7.897	+0.422	89.6	48 63	4 4865
6737	9.0	32 47.78	3.1872	0.0040	5 19 24.3	7.899	0.424	90.6	37 262	5 5030
6738	9.5	32 49.43	3.1379	0.0035	3 2 13.7	7.901	0.417	93.0	3 Beob.	[3 4657]
6739	9.0	32 54.25	3.1722	0.0039	4 37 39.3	7.908	0.422	90.2	41 67 176 181	4 4866
6740	9.0	32 55.87	3.1321	0.0034	2 45 59.9	7.910	0.416	95.0	3 Beob.	2 5068
6741	9.0	19 32 57.74	+3.1465	−0.0036	−3 26 21.0	+7.912	+0.418	98.1	2 Beob.	3 4658
6742	8.7	33 32.93	3.1538	0.0037	3 46 57.8	7.960	0.419	90.5	5 Beob.	3 4665
6743	9.0	33 35.68	3.2008	0.0042	5 57 39.9	7.963	0.425	90.9	37 257 258	6 5217
6744	8.5	33 39.25	3.1713	0.0039	4 35 33.3	7.968	0.421	90.2	41 67 175 179	4 4870
6745	8.9	33 41.36	3.1940	0.0042	5 38 52.9	7.971	0.424	90.7	167 169	5 5031
6746	9.3	19 33 41.77	+3.1330	−0.0035	−2 48 40.9	+7.971	+0.416	90.3	44 65 266	[2 5071]
6747	8.5	33 58.72	3.1456	0.0036	3 24 1.1	7.994	0.417	90.0	57 58 185	3 4670
6748	9.4	34 19.73	3.1389	0.0036	3 5 34.1	8.022	0.416	91.1	176 181 275	[3 4672]
6749	9.3	34 23.31	3.1437	0.0036	3 19 1.8	8.027	0.417	90.3	48 167 169	[3 4673]
6750	9.2	34 35.46	3.1103	0.0033	1 45 28.2	8.043	0.412	91.2	173a 173 257 258	[1 3802]

[1] 8½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6751	8.7	19h 34m 43s.19	+3s.1441	−0s.0036	−3° 20′ 12″.4	+8″.053	+0″.416	89.9	5 Beob.	3° 4674
6752	9.0	34 53.30	3.1658	0.0039	4 20 49.9	8.067	0.419	94.7	3 Beob.	4 4873
6753	6.8	35 2.00	3.1944	0.0042	5 40 38.9	8.079	0.423	90.3	37 175 179	5 5036
6754	8.5	35 2.07	3.1345	0.0035	2 53 21.1	8.079	0.415	89.6	44 65	2 5075
6755	9.3	35 11.10	3.1495	0.0037	3 35 23.2	8.091	0.417	91.2	48 264 266 275	[3 4677]
6756	7.5	19 35 28.35	+3.1639	−0.0039	−4 15 52.6	+8.114	+0.418	90.2	41 67 176 181	4 4877
6757	8.0	35 42.26	3.1175	0.0034	2 6 2.8	8.132	0.412	90.7	167 169	2 5079
6758	9.3	35 42.33	3.1187	0.0034	2 9 25.6	8.132	0.412	91.2	173[a] 173 257 258	[2 5078]
6759	9.3	35 46.68	3.1916	0.0042	5 33 32.9	8.138	0.422	91.1	37 257 258 264	[5 5040]
6760	8.5	35 46.81	3.1392	0.0036	3 6 48.0	8.138	0.415	90.4	57 58 185 266	3 4680
6761	8.0	19 35 51.68	+3.1614	−0.0039	−4 9 3.0	+8.145	+0.418	89.6	41 67	4 4880
6762	8.9	35 54.56	3.1269	0.0035	2 32 29.7	8.149	0.413	89.6	44 65	2 5080
6763	8.0	35 59.45	3.1270	0.0035	2 32 44.6	8.155	0.413	89.6	44 65	2 5081
6764	9.2	36 0.81	3.2002	0.0044	5 57 36.1	8.157	0.423	90.7	175 179	[6 5233]
6765	9.4	36 6.73	3.1314	0.0036	2 45 13.2	8.165	0.413	91.6	248[a] 262 272	[2 5082]
6766	8.8	19 36 7.68	+3.1598	−0.0039	−4 4 53.5	+8.166	+0.417	90.4 90.2	48[1] 63[1] 176 181	4 4882
6767	9.1	36 21.77	3.1288	0.0036	2 37 54.5	8.185	0.413	90.2	44 65 173[a] 173	2 5085
6768	7.7	36 30.85	3.1692	0.0040	4 31 20.0	8.197	0.418	90.3	5 Beob.	4 4883
6769	9.0	36 34.30	3.1694	0.0040	4 31 48.7	8.202	0.418	90.1	41 167	4 4885
6770	9.3	36 49.12	3.1432	0.0037	3 18 26.5	8.221	0.415	91.0	58 262 264	[3 4684]
6771	9.0	19 36 52.59	+3.1645	−0.0040	−4 18 14.7	+8.226	+0.417	90.1	48 63[2] 185	4 4889
6772	9.2	36 54.34	3.1432	0.0037	3 18 40.7	8.228	0.414	97.1	2 Beob.	[3 4685]
6773	9.2	37 15.05	3.1982	0.0044	5 52 46.0	8.256	0.422	91.1	37 257 258 266	[5 5043]
6774	9.0	37 16.35	3.1599	0.0039	4 5 34.0	8.257	0.416	90.3	48 167 169	4 4890
6775	8.8	37 23.08	3.1327	0.0036	2 49 11.9	8.266	0.413	90.2	44 65 173[a] 173	2 5090
6776	9.0	19 37 38.20	+3.1633	−0.0040	−4 15 16.9	+8.287	+0.416	90.2	41 67 175 179	4 4893
6777	9.0	37 58.39	3.1893	0.0043	5 28 19.9	8.313	0.420	90.2	48 63[2] 176 181	5 5047
6778	9.3	38 8.76	3.1999	0.0045	5 58 20.2	8.327	0.421	90.9	37[2] 185 264	[6 5243]
6779	8.7	38 24.13	3.1297	0.0036	2 41 1.4	8.347	0.411	89.8	5 Beob.	2 5093
6780	8.8	38 33.68	3.1716	0.0041	4 39 4.5	8.360	0.417	90.4 90.2	41[1] 67[1] 176 181	4 4896
6781	8.5	19 38 34.23	+3.1193	−0.0035	−2 11 49.7	+8.361	+0.410	91.0	167 169 257	2 5094
6782	8.9	38 53.13	3.1203	0.0036	2 14 40.8	8.386	0.410	91.2	173[a] 173 257 258	2 5095
6783	9.0	39 1.08	3.1795	0.0043	5 1 44.2	8.396	0.417	90.3 90.5	37 175 179	5 5049
6784	9.0	39 2.93	3.1679	0.0041	4 29 6.0	8.399	0.416	90.3	41 67 266	4 4898
6785	9.1	39 33.83	3.1333	0.0037	2 51 41.2	8.440	0.411	90.0	6 Beob.	2 5099
6786	8.5	19 39 34.34	+3.1436	−0.0038	−3 20 40.9	+8.440	+0.412	90.1	5 Beob.	3 4695
6787	9.3	39 45.17	3.1144	0.0035	1 58 12.2	8.455	0.408	91.2	167 169 262 272	[2 5102]
6788	8.7	39 52.87	3.1313	0.0037	2 46 10.2	8.465	0.410	90.2	44 65 173[a] 173	2 5103
6789	7.7	39 55.57	3.1421	0.0039	3 16 35.9	8.469	0.412	90.3	48 63 266	3 4696
6790	8.3	39 58.58	3.1737	0.0042	4 45 49.7	8.472	0.416	90.9	37 257 258	4 4903
6791	8.0	19 40 11.77	+3.1095	−0.0035	−1 44 26.2	+8.490	+0.407	91.3	185 248[a] 272	1 3819
6792	9.1	40 12.28	3.1162	0.0036	2 3 27.6	8.491	0.408	91.0	167 169 262	[2 5105]
6793	8.8	40 13.10	3.1445	0.0039	3 23 36.0	8.492	0.412	90.4	67 176 181	3 4698
6794	8.0	40 23.80	3.1627	0.0041	4 14 59.7	8.506	0.414	89.6	41 67	4 4905
6795	9.2	40 24.92	3.1219	0.0036	2 19 28.0	8.507	0.409	91.6	248[a] 257 275	[2 5106]
6796	6.7	19 40 38.54	+3.1388	−0.0039	−3 7 33.2	+8.525	+0.411	90.0	6 Beob.	3 4701
6797	8.5	40 52.82	3.1663	0.0042	4 25 34.7	8.544	0.414	90.3	41 173[a] 173	4 4907
6798	9.0	40 53.63	3.1475	0.0040	3 32 10.5	8.545	0.412	91.2	185 266	3 4702
6799	9.6	40 53.86	3.1320	0.0038	2 48 29.0	8.546	0.409	90.7	65 264	[2 5109]
6800	9.0	41 3.39	3.1909	0.0045	5 34 56.2	8.558	0.417	90.9	37 257 258	5 5056

[1] a ½ [2] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6801	9.0	19^h 41^m $11^s.95$	$+3^s.1589$	$-0^s.0041$	$-4°$ $4'$ $49''.9$	$+8''.569$	$+0''.413$	90.6	48 264	4° 4910
6802	9.4	41 24.38	3.1233	0.0037	2 23 44.7	8.586	0.408	91.7	262 264 266	[2 5111]
6803	9.0	41 27.46	3.1715	0.0043	4 40 26.5	8.590	0.414	91.0	167 169 275	4 4915
6804	7.8	41 34.25	3.1552	0.0041	3 54 26.1	8.599	0.412	90.7	176 181	4 4916
6805	8.8	41 37.93	3.1665	0.0042	4 26 33.6	8.604	0.413	90.4	41[1] 67[1] 175 179	4 4917
6806	9.1	19 41 39.77	+3.1988	−0.0046	−5 57 34.0	+8.606	+0.418	91.1	37 258 262 272	[6 5260]
6807	8.7	41 44.50	3.1258	0.0037	2 30 55.6	8.612	0.408	89.6	44 65	2 5112
6808	9.1	41 46.76	3.1442	0.0040	3 23 27.6	8.615	0.410	89.9	5 Beob.	[3 4704]
6809	8.5	42 12.16	3.1507	0.0041	3 41 54.5	8.649	0.411	90.2	41 67 173[a] 173	3 4706
6810	8.7	42 12.51	3.1160	0.0036	2 3 13.2	8.649	0.406	91.6	248[a] 257 266	2 5115
6811	7.8	19 42 28.42	+3.1884	−0.0046	−5 28 47.8	+8.670	+0.416	90.3	37 167 169	5 5060
6812	8.9	42 31.73	3.1179	0.0037	2 8 53.2	8.674	0.406	90.2	44 65 175 179	2 5116
6813	9.1	42 48.04	3.1137	0.0036	1 56 53.5	8.696	0.405	91.2	173[a] 173 257 258	2 5118
6814	9.3	42 48.20	3.1316	0.0039	2 47 47.9	8.696	0.408	91.5	185 264 266 275	2 5117
6815	9.1	42 59.42	3.1473	0.0041	3 32 47.6	8.711	0.410	90.1	5 Beob.	[3 4711]
6816	7.5	19 43 27.51	+3.1163	−0.0037	−2 4 29.5	+8.748	+0.405	90.0	44 65 185	2 5124
6817	8.9	43 30.78	3.1588	0.0042	4 5 43.5	8.752	0.411	90.7	48[1] 63[1] 179 272	4 4923
6818	7.8	43 39.40	3.1725	0.0044	4 44 42.4	8.763	0.412	90.2	41 67 176 181	4 4926
6819	9.0	43 53.76	3.1127	0.0037	1 54 22.1	8.782	0.404	90.5	5 Beob.	2 5125
6820	8.9	44 8.33	3.1907	0.0047	5 36 29.2	8.801	0.414	90.3	37 167 169	5 5069
6821	8.0	19 44 18.73	+3.1731	−0.0044	−4 46 48.2	+8.815	+0.412	89.6	41 67	4 4936
6822	9.0	44 26.74	3.1529	0.0042	3 49 22.9	8.825	0.409	89.9	48 57 58 179	3 4720
6823	8.8	44 27.10	3.1105	0.0038	1 48 10.9	8.826	0.403	90.7	167 169	1 3836
6824	(8.2)[2]	44 33.50	3.1603	0.0043	4 10 24.1	8.834	0.410	91.2	173[a] 173 257 258	4 4938
6825	9.5	44 35.79	3.1211	0.0038	2 18 24.6	8.837	0.405	91.7	262 264	[2 5128]
6826	8.5	19 44 43.89	+3.1751	−0.0045	−4 52 42.0	+8.848	+0.412	94.7	3 Beob.	4 4940
6827	8.8	44 52.90	3.1232	0.0039	2 24 42.8	8.859	0.405	91.7	264 275[3]	2 5130
6828	9.1	45 1.93	3.1210	0.0038	2 18 19.5	8.871	0.404	91.7	262 266[3]	[2 5131]
6829	9.0	45 20.32	3.1996	0.0048	6 2 39.7	8.895	0.414	91.7	266 275	6 5275
6830	9.4	45 24.13	3.1362	0.0040	3 2 6.8	8.900	0.406	90.7	167 169	[3 4727]
6831	6.5	19 45 31.14	+3.1764	−0.0045	−4 56 49.4	+8.909	+0.411	90.2	41 67 175 179	5 5075
6832	9.1	45 31.80	3.1760	0.0045	4 55 48.5	8.910	0.411	94.6	3 Beob.	5 5076
6833	8.3	45 33.90	3.1733	0.0045	4 48 0.4	8.913	0.411	91.7	264 275	4 4948
6834	8.7	45 37.85	3.1335	0.0040	2 54 29.3	8.918	0.405	91.0	173[a] 173 258	3 4728
6835	9.0	45 40.65	3.1674	0.0044	4 31 21.8	8.922	0.410	91.7	272 275	4 4949
6836	9.0	19 45 41.22	+3.1284	−0.0039	−2 39 53.5	+8.923	+0.405	91.7	262 266	2 5132
6837	9.0	45 46.07	3.1756	0.0045	4 54 39.0	8.929	0.411	90.6	41 268	5 5078
6838	8.3	45 46.84	3.1378	0.0041	3 6 45.1	8.930	0.406	91.7	258 272	3 4730
6839	8.5	45 47.90	3.1747	0.0045	4 52 7.7	8.931	0.411	90.6	41 268	4 4950
6840	9.0	45 48.56	3.1912	0.0047	5 39 20.3	8.932	0.413	91.7	257 268	5 5080
6841	6.7	19 45 58.39	+3.1294	−0.0040	−2 42 50.1	+8.945	+0.404	93.0	3 Beob.	2 5133
6842	9.0	46 4.97	3.1925	0.0048	5 43 7.8	8.954	0.413	98.1	2 Beob.	5 5082
6843	9.1	46 9.38	3.1904	0.0048	5 37 9.2	8.959	0.412	98.2	2 Beob.	[5 5083]
6844	9.2	46 10.41	3.1261	0.0039	2 33 14.2	8.961	0.404	91.7	262 272	[2 5134]
6845	8.0	46 51.70	3.1230	0.0039	2 24 33.3	9.015	0.403	90.1	50 51 176 181	2 5136
6846	9.2	19 47 0.06	+3.1330	−0.0041	−2 53 24.1	+9.025	+0.404	91.6	248[a] 262	[3 4734]
6847	8.0	47 20.23	3.1941	0.0049	5 48 32.1	9.052	0.412	91.2	185 264	5 5091
6848	9.4	47 24.25	3.1226	0.0039	2 23 33.7	9.057	0.402	90.6	50 266	[2 5137]
6849	8.6	47 32.80	3.1747	0.0046	4 53 19.8	9.068	0.409	91.2	185 266	5 5093
6850	7.0	47 54.80	3.1937	0.0049	5 47 50.8	9.097	0.411	90.7	176 181	5 5096

[1] ½ [2] Dupl. 2" maj.; Com. 9^m [3] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
6851	8.0	19h 48m 2s.17	+3s.1734	−0s.0046	−4° 49′ 52″.9	+9″.106	+0″.408	91.7	264 275	4° 4960
6852	6.2	48 4.47	3.1429	0.0042	3 22 25.3	9.109	0.404	91.7	262 266	3 4742
6853	9.1	48 7.70	3.1321	0.0041	2 51 25.1	9.113	0.403	90.7	176 181	[2 5139]
6854	8.9	48 16.91	3.1173	0.0039	2 8 35.8	9.125	0.401	90.3	50 51 272	2 5141
6855	8.7	48 17.52	3.1345	0.0041	2 58 21.1	9.126	0.403	91.7	264 275	3 4744
6856	9.0	19 48 28.88	+3.1560	−0.0044	−4 0 18.7	+9.141	+0.406	89.6	41 67	4 4962
6857	8.0	48 57.46	3.1831	0.0048	5 18 19.2	9.178	0.409	90.7	175 179	5 5099
6858	9.0	48 58.90	3.1866	0.0048	5 28 20.0	9.180	0.409	91.0	173[a] 173 258	5 5100
6859	9.3	49 41.68	3.1208	0.0040	2 19 15.8	9.235	0.400	90.0	50 51 185	[2 5144]
6860	9.1	49 54.22	3.1672	0.0046	4 33 22.8	9.252	0.406	90.5	5 Beob.	[4 4968]
6861	9.2	19 50 17.87	+3.1346	−0.0042	−2 59 27.0	+9.282	+0.401	90.7	167 169 182[a]	[3 4749]
6862	9.2	50 39.85	3.1394	0.0043	3 13 17.4	9.311	0.401	90.7	167 169 182[a] 183	[3 4750]
6863	8.7	50 43.97	3.1174	0.0040	2 9 33.8	9.316	0.399	90.1	50 51 175 179	2 5147
6864	8.5	51 16.01	3.1738	0.0048	4 53 12.9	9.357	0.405	90.2	41 67 173[a] 173	5 5114
6865	8.3	51 29.31	3.1401	0.0043	3 15 50.0	9.374	0.401	91.6	248[a] 258	3 4751
6866	9.4	19 51 31.98	+3.1837	−0.0049	−5 21 56.3	+9.378	+0.406	91.7	258 264 275	[5 5116]
6867	8.8	51 38.41	3.1256	0.0042	2 33 53.2	9.386	0.399	90.1	50 51 173[a] 173	2 5149
6868	9.0	51 43.50	3.1874	0.0050	5 32 52.0	9.393	0.407	90.7	167 169 182[a] 183	5 5117
6869	8.2	52 0.80	3.1750	0.0048	4 57 10.5	9.415	0.405	90.3	41 67 272	5 5120
6870	8.7	52 4.79	3.1193	0.0041	2 15 41.6	9.420	0.398	90.3	50 175 179	2 5151
6871	9.0	19 52 26.97	+3.1571	−0.0046	−4 5 32.6	+9.449	+0.402	90.7	167 169 182[a] 183	4 4978
6872	8.9	52 29.46	3.1668	0.0047	4 33 43.0	9.452	0.403	90.0	41[1] 67 163	4 4979
6873	9.2	52 33.76	3.1198	0.0041	2 17 18.6	9.457	0.397	90.1	50 51 176 181	[2 5153]
6874	8.5	52 38.58	3.1853	0.0050	5 27 15.6	9.464	0.405	91.0	173[a] 173 258	5 5124
6875	8.5	52 54.21	3.1680	0.0048	4 37 29.3	9.484	0.403	90.0	41 67 185	4 4982
6876	(7.5)[2]	19 53 10.59	+3.1242	−0.0042	−2 30 7.3	+9.505	+0.397	90.3	50 175 179	2 5155
6877	8.2	53 12.94	3.1680	0.0048	4 37 32.8	9.508	0.403	90.4	41 67 185 264	4 4984
6878	6.8	53 17.66	3.1514	0.0046	3 49 24.8	9.514	0.400	90.7	176 181	3 4757
6879	9.2	53 20.32	3.1102	0.0040	1 49 32.9	9.517	0.395	91.4	185 248[a] 268 275	[1 3872]
6880	9.0	53 32.80	3.1447	0.0045	3 30 14.3	9.533	0.399	91.3	163 258 264	3 4759
6881	8.8	19 53 50.27	+3.1641	−0.0048	−4 26 45.9	+9.556	+0.402	90.7	167 169 182[a] 183	4 4986
6882	8.8	53 52.40	3.1284	0.0043	2 42 37.9	9.558	0.397	90.1	50 51 175 179	2 5157
6883	9.0	54 7.14	3.1714	0.0049	4 48 18.5	9.577	0.402	90.2	41 67 173[a] 173	4 4987
6884	7.0	54 29.86	3.1187	0.0042	2 14 30.3	9.606	0.395	91.3	163 258 272	2 5159
6885	9.0	54 32.46	3.1297	0.0043	2 46 52.0	9.610	0.396	90.5	5 Beob.	2 5160
6886	8.9	19 54 45.72	+3.1947	−0.0052	−5 56 16.5	+9.627	+0.404	90.7	167 169 182[a] 183	6 5331
6887	8.5	55 10.62	3.1536	0.0047	3 56 49.7	9.658	0.399	91.0	173[a] 173 258	4 4989
6888	9.2	55 27.59	3.1120	0.0041	1 55 24.9	9.680	0.393	90.1	50 51 176 181	2 5163
6889	7.8	55 32.22	3.1666	0.0049	4 35 6.8	9.686	0.400	91.2	163 275	4 4992
6890	9.1	55 38.16	3.1710	0.0049	4 48 1.8	9.694	0.401	90.2	41 67 175 179	[4 4993]
6891	9.3	19 55 43.96	+3.1111	−0.0041	−1 52 50.3	+9.701	+0.393	90.9	50 248[a] 268	2 5166
6892	8.5	55 44.57	3.1560	0.0047	4 4 14.8	9.702	0.399	90.1 90.0	41[3] 67 185	4 4994
6893	9.2	55 49.90	3.1893	0.0052	5 41 31.9	9.709	0.403	90.7	167 169 182[a] 183	[5 5135]
6894	9.2	55 59.28	3.1249	0.0043	2 33 25.4	9.721	0.394	91.2	185 268	[2 5167]
6895	8.8	56 19.16	3.1565	0.0048	4 5 59.7	9.746	0.398	90.2	41[3] 67 173[a] 173	4 4998
6896	9.0	19 56 26.00	+3.1124	−0.0041	−1 56 49.3	+9.755	+0.392	90.6	51 176 248[a]	2 5168
6897	9.5	56 27.59	3.1100	0.0041	1 49 43.0	9.757	0.392	97.0	2 Beob.	[1 3881]
6898	9.1	56 29.71	3.1125	0.0041	1 57 6.0	9.759	0.392	91.0	163 181 275	2 5169
6899	8.8	56 45.44	3.1572	0.0048	4 8 30.7	9.779	0.398	90.0	41 67 181	4 5000
6900	6.3	56 52.67	3.1803	0.0051	5 16 1.7	9.789	0.400	91.0	173[a] 173 258	5 5138

[1] ½   [2] Dupl. 1″.5 maj.; Com. 9m   [3] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6901	8.6	19h 56m 52s.98	+3s.1768	−0s.0051	−5° 5′ 59″.3	+ 9″.789	+0″.400	90.7	167 169 182a 183	5° 5137
6902	7.3	57 23.55	3.1464	0.0046	3 37 13.2	9.828	0.396	91.4	179 268 275	3 4771
6903	8.8	57 25.96	3.1908	0.0053	5 47 15.3	9.831	0.401	90.7	176 181 185	5 5140
6904	8.8	57 38.72	3.1697	0.0050	4 45 31.3	9.847	0.398	91.1	163 258	4 5002
6905	8.2	57 56.64	3.1727	0.0051	4 54 40.0	9.870	0.398	90.7	5 Beob.	5 5144
6906	8.7	19 58 7.94	+3.1673	−0.0050	−4 38 50.7	+ 9.884	+0.398	90.2	41 67 175 179	4 5003
6907	8.8	58 25.43	3.1470	0.0047	3 39 27.1	9.906	0.395	90.3	51 173a 173	3 4773
6908	8.3	58 27.59	3.1673	0.0050	4 39 6.2	9.909	0.397	90.2	41 67 175 179	4 5006
6909	9.1	58 44.17	3.1695	0.0050	4 45 54.6	9.930	0.397	91.3 91.5	163[1] 258 272	4 5007
6910	9.0	59 28.99	3.1722	0.0051	4 54 9.6	9.987	0.397	90.7	163 185	5 5149
6911	9.2	19 59 36.57	+3.1424	−0.0047	−3 26 28.9	+ 9.996	+0.393	91.0	6 Beob.	[3 4777]
6912	8.9	59 38.85	3.1253	0.0044	2 35 51.1	9.999	0.391	90.1	50 51 176 181	2 5175
6913	(7.3)[2]	59 50.42	3.1658	0.0050	4 35 36.0	10.014	0.396	90.3	5 Beob.	4 5010
6914	8.8	59 51.37	3.1554	0.0049	4 5 0.0	10.015	0.394	90.7	167 169 182a 183	4 5011
6915	9.1	20 0 25.62	3.1337	0.0046	3 1 10.3	10.058	0.391	90.5	5 Beob.	[3 4780]
6916	9.0	20 0 34.90	+3.1465	−0.0048	−3 39 14.8	+10.070	+0.392	91.1	163 258	3 4781
6917	9.0	0 45.75	3.1883	0.0054	5 42 46.2	10.084	0.397	90.7	176 181	5 5156
6918	9.1	0 50.05	3.1417	0.0047	3 25 3.0	10.089	0.392	91.4	185 248a 268 275	[3 4783]
6919	6.5	0 56.01	3.1608	0.0050	4 21 46.3	10.097	0.394	90.2	41 67 175 179	4 5013
6920	9.0	1 0.26	3.1628	0.0050	4 27 45.8	10.102	0.394	95.5 94.6	3 Beob.	4 5014
6921	8.0	20 1 1.59	+3.1131	−0.0043	−2 0 9.7	+10.104	+0.388	90.7	167 169 182a 183	2 5178
6922	9.0	1 7.54	3.1270	0.0045	2 41 38.1	10.111	0.389	90.3	50 175 179	2 5179
6923	7.2	1 19.74	3.1677	0.0051	4 42 13.4	10.127	0.394	90.8	186 191bs 191	4 5016
6924	8.3	1 41.55	3.1542	0.0049	4 2 36.4	10.154	0.392	90.7	176 181	4 5017
6925	9.2	1 45.42	3.1637	0.0051	4 30 56.3	10.159	0.393	90.9 91.0	67 258 275[4]	[4 5018]
6926	9.0	20 1 50.55	+3.1360	−0.0047	−3 8 29.9	+10.165	+0.390	90.1	50 51 173a 173	3 4786
6927	9.0	2 24.29	3.1508	0.0049	3 52 47.0	10.208	0.391	90.8	186 191bs 191	4 5021
6928	8.8	2 30.57	3.1617	0.0051	4 25 20.2	10.216	0.392	90.7	41 185 268	4 5022
6929	8.4	2 39.52	3.1239	0.0045	2 33 3.2	10.227	0.388	90.8	186 191bs 191	2 5184
6930	8.3	3 5.73	3.1467	0.0049	3 41 15.6	10.260	0.390	90.8	186 191bs 191	3 4788
6931	8.9	20 3 6.38	+3.1703	−0.0052	−4 51 16.1	+10.260	+0.393	91.2	185 268	4 5024
6932	9.0	3 10.75	3.1378	0.0048	3 14 37.8	10.266	0.389	91.7	268 275	3 4790
6933	8.8	3 14.24	3.1520	0.0050	3 57 8.0	10.270	0.390	96.8 96.0	3 Beob.	4 5026
6934	8.5	3 15.96	3.1811	0.0054	5 23 29.5	10.272	0.394	91.8	2 Beob.	5 5169
6935	8.9	3 18.96	3.1540	0.0050	4 3 4.3	10.276	0.391	93.0	3 Beob.	4 5027
6936	7.9	20 4 7.55	+3.1306	−0.0047	−2 53 34.0	+10.337	+0.387	90.3	50 51 268	3 4793
6937	8.8	4 7.64	3.1441	0.0049	3 34 3.9	10.337	0.388	98.1	2 Beob.	3 4792
6938	8.4	4 9.67	3.1377	0.0048	3 14 45.6	10.340	0.388	90.8	186 191bs 191	3 4794
6939	8.7	4 13.18	3.1113	0.0044	1 55 49.7	10.344	0.384	91.2	185 272	2 5188
6940	8.2	4 22.72	3.1264	0.0046	2 41 3.3	10.356	0.386	90.3	50 176 181	2 5189
6941	9.2	20 4 28.62	+3.1411	−0.0048	−3 25 16.0	+10.363	+0.388	91.7	268 275	[3 4797]
6942	8.9	4 51.28	3.1588	0.0051	4 18 26.0	10.392	0.389	90.2	41 67 173a 173	4 5034
6943	9.2	4 59.91	3.1916	0.0056	5 56 16.4	10.402	0.393	91.1	163 258	[6 5390]
6944	9.6	5 3.03	3.1435	0.0049	3 32 34.1	10.406	0.387	91.7	3 Beob.	[3 4801]
6945	9.1	5 9.76	3.1682	0.0053	4 46 31.9	10.415	0.390	90.7	167 169 182a 183	[4 5037]
6946	8.8	20 5 18.75	+3.1412	−0.0049	−3 26 2.6	+10.426	+0.387	90.7	175 179	3 4802
6947	9.5	5 19.00	3.1111	0.0044	1 55 22.7	10.426	0.383	90.7	2 Beob.	[2 5195]
6948	8.7	5 32.98	3.1323	0.0047	2 59 11.4	10.444	0.385	90.6	50 272	3 4803
6949	9.0	5 36.28	3.1520	0.0051	3 58 37.5	10.448	0.388	90.2	41 67 176 181	4 5039
6950	8.3	5 38.34	3.1485	0.0050	3 48 6.0	10.450	0.387	91.1	163 258	3 4804

[1] δ ½ [2] Dupl. 2″ maj.; Com. 9m [3] ½ [4] α ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
6951	7.8	20h 5m 49s.44	+3s.1499	−0s.0050	−3° 52′ 13″.9	+10″.464	+0″.387	90.7	167 169 182a 183	4° 5042
6952	8.8	5 53.56	3.1696	0.0053	4 51 27.5	10.469	0.390	90.2	41 67 173a 173	4 5043
6953	(8.5)[1]	6 23.25	3.1701	0.0054	4 53 12.6	10.506	0.389	90.4	6 Beob.	5 5181
6954	9.0	7 8.69	3.1874	0.0057	5 45 46.0	10.562	0.391	91.3	163 258 275[2]	5 5183
6955	(6.5)[3]	7 33.82	3.1381	0.0049	3 17 44.0	10.594	0.384	90.4	5 Beob.	3 4817
6956	8.9	20 7 49.03	+3.1642	−0.0053	−4 36 40.3	+10.612	+0.387	90.4 90.5	8.9 Beob.	4 5054
6957	9.2	7 59.15	3.1434	0.0050	3 33 53.9	10.625	0.384	91.2	163 186 252 275	[3 4818]
6958	8.9	8 22.03	3.1746	0.0055	5 8 32.3	10.653	0.388	90.7	167 169 182a 183	5 5189
6959	8.6	8 41.38	3.1642	0.0054	4 37 23.9	10 677	0.386	90.4	5 Beob.	4 5059
6960	9.0	8 43.42	3.1477	0.0051	3 47 28.5	10.680	0.384	91.2	165 166 248a 268	3 4820
6961	(8.5)[4]	20 8 48.06	+3.1745	−0.0055	−5 8 24.4	+10.685	+0.387	90.7	6.7 Beob.	5 5190
6962	9.1	8 54.86	3.1905	0.0058	5 56 52.4	10.694	0.389	91.4	163 252 258 270	[6 5410]
6963	9.1	8 55.77	3.1106	0.0045	1 55 3.5	10.695	0.379	90.4	5 Beob.	[2 5204]
6964	8.8	9 8.73	3.1212	0.0047	2 27 29.3	10.711	0.380	90.5	5 Beob.	2 5205
6965	8.0	9 41.65	3.1691	0.0055	4 52 51.4	10.751	0.385	90.4	8 Beob.	5 5194
6966	8.8	20 9 55.68	+3.1478	−0.0051	−3 48 31.0	+10.769	+0.383	91.2	171 185 258 261	3 4824
6967	7.0	9 56.43	3.1477	0.0051	3 48 22.4	10.770	0.383	91.4 91.3	4.5 Beob.	3 4825
6968	9.5	10 3.72	3.1100	0.0045	1 53 43.3	10.779	0.378	90.3	5 Beob.	[2 5210]
6969	8.4	10 4.08	3.1197	0.0047	2 23 6.7	10.779	0.379	90.7	175 176 179 181	2 5211
6970	7.0	10 4.72	3.1880	0.0058	5 50 28.9	10.780	0.387	91.2	165 166 248a 268	5 5196
6971	8.5	20 10 9.31	+3.1325	−0.0049	−3 2 4.6	+10.785	+0.380	90.7	167 169 182a 183	3 4828
6972	9.0	10 21.49	3.1376	0.0050	3 17 57.0	10.800	0.381	90.6	41 261	3 4830
6973	7.9	10 30.38	3.1292	0.0049	2 52 12.7	10.811	0.380	91.2	171 258	2 5213
6974	9.3	10 33.78	3.1373	0.0050	3 17 1.9	10.816	0.381	90.4	67 173a 173	[3 4833]
6975	9.0	10 46.86	3.1318	0.0049	3 0 31.3	10.832	0.380	90.7	167 169 182a 183	3 4834
6976	8.2	20 11 15.44	+3.1081	−0.0046	−1 48 22.0	+10.867	+0.376	90.1	50 51 175 179	1 3935
6977	8.3	11 25.39	3.1096	0.0046	1 52 46.4	10.879	0.376	95.3	6 Beob.	2 5216
6978	9.2	11 34.21	3.1193	0.0047	2 22 30.3	10.890	0.377	90.8	186 191	[2 5218]
6979	9.1	11 35.33	3.1860	0.0058	5 45 39.6	10.891	0.385	91.6	250 270	5 5202
6980	7.2	11 35.79	3.1472	0.0052	3 47 46.7	10.892	0.381	90.0	41 67 185	3 4838
6981	9.1	20 11 46.59	+3.1078	−0.0046	−1 47 34.1	+10.905	+0.376	91.6	252 268	1 3937
6982	9.3	11 48.57	3.1729	0.0056	5 6 6.6	10.907	0.384	91.7	261 268	[5 5205]
6983	9.0	11 51.56	3.1788	0.0057	5 24 6.4	10.911	0.384	91.2	185 270	5 5206
6984	9.5	11 52.76	3.1295	0.0049	2 53 49.6	10.912	0.378	91.7	261 272	[3 4839]
6985	8.7	11 55.67	3.1879	0.0059	5 51 50.1	10.916	0.385	91.1	171 250	6 5431
6986	8.8	20 12 1.90	+3.1407	−0.0051	−3 28 21.0	+10.923	+0.379	98.2 96.9	2.3 Beob.	3 4840
6987	9.0	12 9.28	3.1155	0.0047	2 11 1.8	10.932	0.376	91.7	261 272	2 5219
6988	7.8	12 12.96	3.1191	0.0047	2 22 18.7	10.937	0.377	90.8	186 191	2 5221
6989	9.0	12 16.18	3.1168	0.0047	2 15 3.7	10.941	0.376	90.8	186 191	2 5222
6990	9.5	12 37.78	3.1283	0.0049	2 50 29.6	10.967	0.377	91.7	268 290	[2 5224]
6991	9.0	20 12 38.82	+3.1742	−0.0057	−5 10 50.1	+10.969	+0.383	98.1 96.8	2.3 Beob.	5 5210
6992	9.3	12 41.31	3.1149	0.0047	2 9 36.5	10.972	0.375	90.8	186 191	[2 5226]
6993	6.8	12 53.32	3.1713	0.0056	5 2 18.7	10.986	0.382	91.1	171 250	5 5216
6994	8.5	13 3.66	3.1340	0.0050	3 8 21.6	10.999	0.377	91.7	261 268	3 4841
6995	8.5	13 8.20	3.1162	0.0047	2 13 34.6	11.004	0.375	91.4	3 Beob.	2 5230
6996	9.1	20 13 9.54	+3.1326	−0.0050	−3 3 55.1	+11.006	+0.377	91.0	165 166 268	[3 4842]
6997	9.4	13 17.70	3.1154	0.0047	2 11 14.8	11.016	0.375	90.4	50 186 191	[2 5231]
6998	8.7	13 43.11	3.1625	0.0055	4 36 9.2	11.047	0.380	90.0	41 67 185	4 5087
6999	9.5	13 51.04	3.1240	0.0049	2 37 59.7	11.057	0.375	91.6	250 268	[2 5232]
7000	9.1	13 55.25	3.1728	0.0057	5 7 36.0	11.062	0.381	91.0	165 166 270	[5 5224]

[1] Dupl. bor.; Com. 13″ schwach 9m [2] ½ [3] Dupl. 3″ maj.; Com. 9m.5 [4] Dupl. 21″ praec.; Com. etwa 0m.2 schwächer

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
7001	8.8	20h 13m 56s.98	+3s.1500	−0s.0053	−3° 58′ 2″.8	+11″.064	+0″.378	90.7	164 171	4° 5089
7002	9.2	13 58.25	3.1126	0.0047	2 2 46.9	11.065	0.374	90.8	186 191	[2 5234]
7003	8.4	14 4.66	3.1520	0.0053	4 4 1.1	11.073	0.378	90.6	41 270	4 5090
7004	8.3	14 11.90	3.1398	0.0051	3 26 39.0	11.082	0.377	90.0	(9) 176 181	3 4848
7005	8.7	14 17.76	3.1202	0.0048	2 26 19.5	11.089	0.374	90.0	(9) 68 175 179	2 5236
7006	9.0	20 14 23.46	+3.1456	−0.0053	−3 44 41.7	+11.096	+0.377	89.7 90.0	5.6 Beob.	3 4849
7007	9.2	14 39.99	3.1379	0.0051	3 21 3.5	11.116	0.376	90.0	41 67 185	[3 4850]
7008	9.0	14 40.02	3.1224	0.0049	2 33 18.0	11.116	0.374	89.6	50 51	2 5239
7009	8.0	14 40.65	3.1225	0.0049	2 33 41.8	11.117	0.374	90.5	6 Beob.	2 5240
7010	9.3	14 44.17	3.1853	0.0059	5 46 46.4	11.121	0.382	91.7	3 Beob.	[5 5228]
7011	9.3	20 14 50.10	+3.1401	−0.0052	−3 28 11.3	+11.128	+0.376	91.0	165 166 270	[3 4851]
7012	8.7	15 0.08	3.1893	0.0060	5 59 21.1	11.140	0.382	90.7	164 171	6 5450
7013	9.2	15 18.96	3.1249	0.0049	2 41 25.9	11.163	0.374	90.1	5 Beob.	2 5246
7014	9.0	15 22.72	3.1790	0.0059	5 28 7.9	11.168	0.380	90.7	173a 173	5 5232
7015	8.7	15 23.50	3.1865	0.0060	5 50 56.5	11.169	0.381	91.1	3 Beob.	5 5233
7016	9.2	20 15 34.84	+3.1856	−0.0060	−5 48 40.2	+11.183	+0.381	91.1	163 250	5 5234
7017	8.8	15 43.20	3.1070	0.0047	1 46 20.3	11.193	0.371	90.0	50 51 185	1 3959
7018	9.0	15 48.78	3.1337	0.0051	3 8 54.2	11.199	0.374	89.7	5 Beob.	3 4856
7019	9.1	16 2.98	3.1104	0.0047	1 56 50.5	11.217	0.371	90.7	167 169 183	[2 5254]
7020	9.2	16 9.29	3.1871	0.0060	5 53 45.8	11.224	0.380	90.7	176 181	[6 5457]
7021	8.8	20 16 12.66	+3.1178	−0.0048	−2 19 48.5	+11.228	+0.372	89.7	5 Beob.	2 5256
7022	8.9	16 14.18	3.1448	0.0053	3 43 20.2	11.230	0.375	91.1	171 250	3 4860
7023	9.2	16 21.77	3.1661	0.0057	4 49 17.7	11.239	0.378	90.2	41 67 173a 173	[4 5104]
7024	8.0	16 22.93	3.1720	0.0058	5 7 21.4	11.241	0.378	91.0	165 166 270	5 5239
7025	9.2	16 29.74	3.1640	0.0056	4 42 48.1	11.249	0.377	91.2	185 270	[4 5105]
7026	8.7	20 16 39.47	+3.1890	−0.0061	−6 0 3.0	+11.261	+0.380	91.1	163 252	6 5458
7027	9.5	16 41.30	3.1409	0.0052	3 31 42.0	11.263	0.374	90.4	(9)[1] 167 169 183	[3 4864]
7028	8.5	16 58.97	3.1491	0.0054	3 57 14.2	11.284	0.375	90.3	41 164 171	4 5108
7029	9.1	16 59.54	3.1382	0.0052	3 23 28.1	11.285	0.373	90.1	50 51 176 181	[3 4865]
7030	9.0	17 1.37	3.1436	0.0053	3 40 9.3	11.287	0.374	89.7	5 Beob.	3 4866
7031	9.0	20 17 17.93	+3.1807	−0.0060	−5 35 1.2	+11.307	+0.378	91.0	173a 173 252	5 5242
7032	8.0	17 22.64	3.1771	0.0059	5 24 2.6	11.313	0.378	91.2	165 166 248a 272	5 5245
7033	9.0	17 28.32	3.1363	0.0052	3 17 48.4	11.319	0.373	90.7	50 185 270	3 4869
7034	9.5	17 35.37	3.1845	0.0060	5 47 9.0	11.328	0.378	90.8	186 191	[5 5247]
7035	8.2	17 40.84	3.1885	0.0061	5 59 45.8	11.335	0.379	91.1	163 250	6 5462
7036	8.8	20 17 47.13	+3.1323	−0.0051	−3 5 33.5	+11.342	+0.372	90.1	5 Beob.	3 4873
7037	7.8	17 53.32	3.1523	0.0055	4 7 56.5	11.350	0.374	90.2	41 67 173a 173	4 5110
7038	9.2	18 7.42	3.1462	0.0054	3 48 53.5	11.367	0.373	89.8 89.7	(7) (11)[2] 69 252	[3 4875]
7039	6.8	18 19.21	3.1804	0.0060	5 35 14.7	11.381	0.377	91.1	163 250	5 5253
7040	9.2	18 22.42	3.1414	0.0053	3 34 25.0	11.385	0.372	89.9	(9) 69 165 166	[3 4876]
7041	9.4	20 18 22.82	+3.1146	−0.0049	−2 10 50.7	+11.385	+0.369	90.3	5 Beob.	[2 5264]
7042	9.4	18 35.53	3.1765	0.0059	5 23 24.3	11.400	0.376	90.7	167 169	[5 5255]
7043	9.0	18 54.08	3.1411	0.0053	3 33 40.6	11.422	0.371	89.8	7 Beob.	3 4879
7044	9.5	18 56.22	3.1091	0.0048	1 53 53.9	11.425	0.368	90.9	50 171 261 270	[2 5268]
7045	9.0	19 20.89	3.1730	0.0059	5 13 15.4	11.455	0.375	90.2	(9) 68 163 250	5 5261
7046	8.2	20 19 24.69	+3.1669	−0.0058	−4 54 27.0	+11.459	+0.374	90.3	5 Beob.	5 5262
7047	8.0	19 31.03	3.1084	0.0048	1 51 53.8	11.467	0.367	90.4	51 164 171 185	2 5270
7048	9.1	19 34.39	3.1557	0.0056	4 19 43.1	11.471	0.372	91.4	165 248a 261 272	[4 5117]
7049	9.2	19 36.39	3.1342	0.0052	3 12 31.5	11.473	0.370	91.1	186 191 270	[3 4881]
7050	9.0	19 48.13	3.1650	0.0058	4 48 42.6	11.487	0.373	90.0	41 67 185	4 5118

[1] ½ [2] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
7051	8.5	20h 19m 56s.89	+3s.1445	−0s.0054	−3° 44′ 54″.5	+11″.498	+0″.371	89.9	6 Beob.	3° 4882
7052	9.2	20 8.75	3.1772	0.0060	5 27 18.2	11.512	0.374	89.9	5 Beob.	[5 5264]
7053	8.9	20 17.90	3.1286	0.0052	2 55 20.2	11.523	0.368	91.1	163 250	3 4885
7054	6.3	20 29.54	3.1324	0.0052	3 7 29.0	11.537	0.369	90.7	164 171[1]	3 4888
7055	7.7	20 46.95	3.1528	0.0056	4 11 27.2	11.557	0.371	90.2	41 67 173[a] 173	4 5124
7056	8.5	20 20 48.16	+3.1447	−0.0054	−3 46 14.5	+11.559	+0.370	90.0	(7) 165 166	3 4890
7057	9.0	21 1.32	3.1652	0.0058	4 50 31.7	11.574	0.372	89.9	6 Beob.	4 5126
7058	9.0	21 1.90	3.1458	0.0055	3 49 56.1	11.575	0.370	89.9	6 Beob.	3 4892
7059	9.2	21 9.14	3.1301	0.0052	3 0 41.2	11.584	0.368	90.7	164 171 186 191	[3 4894]
7060	9.5	21 16.23	3.1151	0.0049	2 13 23.3	11.592	0.366	91.0	176 179 261	[2 5275]
7061	9.1	20 21 17.23	+3.1251	−0.0051	−2 45 6.9	+11.593	+0.367	90.6	51 163 250	[2 5274]
7062	10[2]	21 34.13	3.1320	0.0052	3 6 53.2	11.614	0.367	91.8	2 Beob.	— —
7063	9.0	21 35.38	3.1604	0.0057	4 35 58.7	11.615	0.371	90.2	41 67 173[a] 173	4 5130
7064	9.3	21 36.65	3.1411	0.0054	3 35 25.2	11.617	0.368	97.7	2 Beob.	[3 4896]
7065	9.1	21 43.46	3.1235	0.0051	2 40 2.5	11.625	0.366	90.8	186 191	[2 5278]
7066	8.7	20 21 51.63	+3.1351	−0.0053	−3 16 51.0	+11.634	+0.367	89.5	(7) (11) 69 185	3 4900
7067	8.0	21 54.83	3.1205	0.0050	2 30 53.5	11.638	0.366	91.0	165 166 270	2 5279
7068	9.2	22 8.69	3.1690	0.0059	5 3 35.0	11.655	0.371	89.5	(9) (14) 68 189	[5 5272]
7069	9.1	22 9.48	3.1873	0.0063	6 0 40.4	11.656	0.373	90.7	164 171	[6 5485]
7070	9.4	22 12.06	3.1236	0.0051	2 40 49.9	11.659	0.366	90.2	51 189	[2 5280]
7071	7.8	20 22 14.93	+3.1085	−0.0048	−1 53 9.8	+11.662	+0.364	91.4	163 250 252 270	2 5281
7072	8.0	22 15.64	3.1192	0.0050	2 26 47.7	11.663	0.365	91.7	261 272	2 5282
7073	8.4	22 15.94	3.1435	0.0055	3 43 27.8	11.663	0.368	90.2	41 67 175 179	3 4901
7074	7.0	22 16.37	3.1189	0.0050	2 25 48.0	11.664	0.365	90.7	176 181	2 5283
7075	9.0	22 20.80	3.1172	0.0050	2 20 29.8	11.669	0.365	91.7	261 272	2 5284
7076	7.3	20 22 27.75	+3.1866	−0.0063	−5 59 0.6	+11.677	+0.373	91.0	173[a] 173 252	6 5487
7077	8.6	22 35.61	3.1841	0.0062	5 51 19.4	11.687	0.372	91.2	4 Beob.	6 5488
7078	8.0	22 41.46	3.1755	0.0060	5 24 31.7	11.693	0.371	90.7	167 169 183	5 5275
7079	9.1	22 45.94	3.1643	0.0059	4 49 8.7	11.699	0.370	90.4	67 186 191	[4 5141]
7080	9.0	22 48.02	3.1691	0.0059	5 4 22.6	11.701	0.370	90.7	164 171	5 5276
7081	9.1	20 22 55.37	+3.1833	−0.0062	−5 49 7.8	+11.710	+0.372	90.7	167 169 183	[5 5277]
7082	8.7	22 57.76	3.1717	0.0060	5 12 35.6	11.713	0.370	89.5 89.6	(9) (14)[1] 68 185	5 5278
7083	9.0	23 3.59	3.1428	0.0055	3 41 56.1	11.720	0.367	90.2	69 189	3 4905
7084	8.5	23 8.14	3.1463	0.0055	3 53 3.2	11.725	0.367	90.7	176 181	4 5145
7085	6.4	23 10.72	3.1426	0.0055	3 41 17.2	11.728	0.367	89.7 89.9	(7)[1] (11) 175 179	3 4906
7086	9.2	20 23 11.03	+3.1432	−0.0055	−3 43 17.0	+11.728	+0.367	91.6	250 270	[3 4907]
7087	8.5	23 12.77	3.1485	0.0056	3 59 58.2	11.731	0.367	90.7	164 171	4 5146
7088	9.0	23 14.29	3.1843	0.0062	5 52 44.5	11.732	0.372	90.7	167 169 183	6 5492
7089	9.0	23 16.60	3.1860	0.0063	5 57 58.0	11.735	0.372	91.1	163 252	6 5493
7090	8.0	23 21.14	3.1630	0.0058	4 45 35.8	11.740	0.369	90.2	41 67 173[a] 173	4 5147
7091	7.3	20 23 38.66	+3.1118	−0.0049	−2 3 54.0	+11.761	+0.362	90.3	51 165 166	2 5286
7092	9.2	23 39.48	3.1436	0.0055	3 44 36.6	11.762	0.366	89.7	5 Beob.	[3 4912]
7093	9.1	23 44.47	3.1501	0.0056	4 5 28.1	11.768	0.367	90.0	6 Beob.	[4 5151]
7094	9.3	24 14.91	3.1083	0.0049	1 53 9.3	11.804	0.361	90.7	163 189	[2 5289]
7095	8.0	24 25.25	3.1580	0.0058	4 30 56.3	11.816	0.367	90.2	41 67 173[a] 173	4 5153
7096	5.5	20 24 25.35	+3.1335	−0.0053	−3 13 6.4	+11.816	+0.364	91.2	185 270	3 4918
7097	8.7	24 38.13	3.1181	0.0051	2 24 28.1	11.831	0.362	90.4	50 167 169 183	2 5291
7098	8.5	24 43.80	3.1390	0.0054	3 30 53.3	11.838	0.364	89.7	5 Beob.	3 4923
7099	8.0	24 45.47	3.1627	0.0059	4 46 7.6	11.840	0.367	89.7	5 Beob.	4 5154
7100	9.4	24 47.16	3.1834	0.0063	5 51 34.8	11.842	0.369	90.8	186 191	6 5498

[1] δ ½ [2] Schätzung 05.550

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7101	9.1	20h 25m 1s.61	+3s.1578	−0s.0058	−4° 30′ 44″.2	+11″.859	+0″.366	90.3	41 67 252	4° 5156
7102	9.0	25 1.96	3.1687	0.0060	5 5 18.9	11.859	0.367	90.7	164 171	5 5288
7103	9.0	25 5.64	3.1445	0.0056	3 48 43.9	11.864	0.364	90.7	167 169 183	3 4925
7104	9.0	25 10.38	3.1464	0.0056	3 54 42.6	11.869	0.365	91.1 91.3	163[1] 250	4 5157
7105	8.2	25 16.53	3.1807	0.0062	5 43 27.3	11.876	0.369	90.7	175 179	5 5291
7106	9.3	20 25 29.09	+3.1502	−0.0057	−4 7 5.5	+11.891	+0.365	91.2	173[2] 173 250 261	[4 5160]
7107	9.0	25 45.80	3.1675	0.0060	5 2 16.8	11.911	0.367	89.5	(9) (14) 68 185	5 5294
7108	8.5	25 46.36	3.1068	0.0049	1 48 52.1	11.911	0.359	90.1	50 51 176 181	1 3989
7109	8.5	25 54.60	3.1277	0.0053	2 55 39.9	11.921	0.362	89.7	5 Beob.	3 4928
7110	9.1	26 13.33	3.1113	0.0050	2 3 29.4	11.943	0.359	91.2	189 270	[2 5294]
7111	8.0	20 26 38.60	+3.1843	−0.0064	−5 56 27.7	+11.973	+0.367	91.2	189 270	6 5511
7112	9.4	26 40.42	3.1122	0.0050	2 6 36.3	11.975	0.359	91.7	261 272	[2 5295]
7113	8.2	26 41.49	3.1435	0.0056	3 46 43.9	11.976	0.363	90.7	176 181	3 4930
7114	9.0	26 46.13	3.1519	0.0057	4 13 33.6	11.981	0.363	90.0	41 67 185	4 5166
7115	6.8	26 47.71	3.1775	0.0062	5 34 51.8	11.983	0.366	90.7	167 169 183	5 5299
7116	8.7	20 26 56.09	+3.1273	−0.0053	−2 55 3.9	+11.993	+0.360	90.7	175 179	3 4933
7117	9.0	27 6.28	3.1178	0.0051	2 24 48.5	12.005	0.359	91.2	185 270	2 5297
7118	9.0	27 8.95	3.1446	0.0056	3 50 27.5	12.008	0.362	91.7	261 272	4 5168
7119	8.8	27 15.85	3.1580	0.0059	4 33 14.9	12.016	0.364	90.2	41 67 173[2] 173	4 5169
7120	9.0	27 22.71	3.1183	0.0051	2 26 17.2	12.024	0.359	95.7	3 Beob.	2 5301
7121	8.2	20 27 30.37	+3.1063	−0.0049	−1 48 1.5	+12.033	+0.357	91.7	261 272	1 3991
7122	8.0	27 35.29	3.1759	0.0062	5 30 39.6	12.039	0.365	90.7	175 179	5 5302
7123	9.1	27 36.75	3.1290	0.0053	3 0 42.1	12.041	0.360	91.6	252 270	[3 4937]
7124	9.0	27 39.31	3.1494	0.0057	4 6 14.9	12.044	0.362	90.2	41 67 176 181	4 5172
7125	9.2	27 39.41	3.1788	0.0063	5 39 56.7	12.044	0.365	90.7	167 169 183	[5 5303]
7126	9.0	20 27 51.72	+3.1188	−0.0052	−2 28 21.1	+12.058	+0.358	90.1	50 51 176 181	2 5303
7127	9.1	28 10.85	3.1301	0.0054	3 4 44.7	12.080	0.359	90.8	186 191	[3 4939]
7128	8.3	28 11.42	3.1417	0.0056	3 41 50.2	12.081	0.360	90.0	(11) 175 179	3 4940
7129	9.1	28 17.61	3.1054	0.0049	1 45 20.0	12.088	0.356	90.2	64 189	[1 3995]
7130	8.8	28 18.98	3.1791	0.0063	5 41 41.0	12.090	0.365	91.0	173[2] 173 250	5 5305
7131	9.2	20 28 52.24	+3.1105	−0.0050	−2 1 51.3	+12.128	+0.356	90.3 90.4	5 Beob.	[2 5305]
7132	8.8	29 0.55	3.1421	0.0056	3 43 53.6	12.138	0.359	89.8	8 Beob.	3 4945
7133	8.7	29 1.89	3.1363	0.0055	3 25 4.2	12.140	0.359	89.7	5 Beob.	3 4946
7134	9.0	29 6.84	3.1118	0.0051	2 6 8.3	12.145	0.356	89.8	5 Beob.	2 5308
7135	9.0	29 19.05	3.1426	0.0056	3 45 37.5	12.159	0.359	90.7	173[2] 173	3 4948
7136	8.7	20 29 26.93	+3.1442	−0.0057	−3 50 49.6	+12.169	+0.359	89.9 90.1	(28)[1] 53 165 166	3 4949
7137	9.1	29 30.96	3.1291	0.0054	3 2 19.0	12.173	0.357	91.2	176 181 261 283	[3 4950]
7138	9.0	29 37.32	3.1456	0.0057	3 55 28.3	12.181	0.359	90.4 90.7	(28)[1] 179 270	4 5186
7139	9.0	29 37.73	3.1211	0.0052	2 36 35.9	12.181	0.356	91.0	173[2] 173 250	2 5310
7140	9.0	29 38.11	3.1116	0.0051	2 5 55.3	12.182	0.355	89.6	50 51 64	2 5311
7141	9.0	20 29 42.72	+3.1587	−0.0060	−4 37 49.3	+12.187	+0.361	89.6	41 67	4 5187
7142	9.1	29 44.29	3.1225	0.0053	2 41 10.8	12.189	0.356	90.1 90.0	(4) (6)[2] 185 270	[2 5312]
7143	8.8	29 51.18	3.1644	0.0061	4 56 11.1	12.197	0.361	89.9	5 Beob.	5 5311
7144	8.0	30 4.63	3.1817	0.0064	5 52 10.3	12.212	0.363	90.7	167 169 183	6 5528
7145	9.0	30 10.43	3.1773	0.0063	5 37 57.8	12.219	0.362	90.7	164 171	5 5314
7146	8.9	20 30 14.00	+3.1384	−0.0056	−3 32 51.1	+12.223	+0.357	89.7	5 Beob.	3 4953
7147	8.0	30 15.30	3.1171	0.0052	2 23 47.0	12.225	0.355	90.6	50 270	2 5315
7148	7.8	30 23.42	3.1666	0.0061	5 3 49.8	12.234	0.361	89.9 90.1	(28)[1] 53 165 166	5 5315
7149	9.2	30 26.60	3.1232	0.0053	2 43 54.6	12.238	0.356	90.3	5 Beob.	[2 5316]
7150	8.4	30 28.68	3.1405	0.0056	3 39 53.5	12.240	0.357	89.7	(9) (14) 68 250	3 4955

[1] δ ½ [2] α ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7151	9.3	20ʰ 30ᵐ 41ˢ.12	+3ˢ.1053	−0ˢ.0050	−1° 45′ 58″.0	+12″.254	+0″.353	89.7	5 Beob.	[1° 4007]
7152	8.8	30 54.19	3.1070	0.0050	1 51 15.8	12.270	0.353	89.9	(4) (6) 163 290	2 5319
7153	8.6	31 6.24	3.1786	0.0064	5 43 19.1	12.283	0.361	89.9	(28) 53 164 171	5 5321
7154	9.1	31 21.30	3.1575	0.0060	4 35 37.2	12.301	0.358	89.6	41 67	[4 5197]
7155	9.3	31 27.90	3.1236	0.0053	2 45 34.1	12.308	0.354	89.7	5 Beob.	[2 5321]
7156	5.0	20 31 31.17	+3.1261	−0.0054	−2 53 47.2	+12.312	+0.355		**Fund. Kat.**	3 4961
7157	9.0	31 36.10	3.1064	0.0050	1 49 53.8	12.318	0.352	89.9	(4) (6) 163 250	1 4010
7158	9.3	32 7.46	3.1203	0.0053	2 35 14.5	12.354	0.353	89.6	50 56 64	[2 5323]
7159	9.0	32 17.19	3.1540	0.0059	4 24 54.8	12.365	0.357	89.7	5 Beob.	4 5201
7160	8.5	32 31.36	3.1592	0.0061	4 42 4.6	12.381	0.357	90.1 90.4	(28)[1] 164 171	4 5202
7161	9.0	20 32 39.43	+3.1776	−0.0064	−5 42 3.8	+12.391	+0.359	89.5 89.7	5 Beob.	5 5328
7162	6.8	32 52.86	3.1596	0.0061	4 43 51.6	12.406	0.357	90.5	6 Beob.	4 5204
7163	10	32 54.24	3.1196	0.0053	2 33 15.0	12.407	0.352	90.3	50 56 252	[2 5325]
7164	8.5	32 57.37	3.1300	0.0055	3 7 30.0	12.411	0.353	90.4	(38) 163 250	3 4969
7165	7.7	33 5.24	3.1620	0.0061	4 51 42.0	12.420	0.357	90.8	186 191	5 5330
7166	8.3	20 33 7.84	+3.1376	−0.0056	−3 32 15.8	+12.423	+0.354	90.7	164 171	3 4971
7167	9.0	33 11.21	3.1345	0.0056	3 22 3.6	12.427	0.353	89.7 89.9	5 Beob.	3 4973
7168	9.0	33 19.86	3.1042	0.0050	1 43 7.1	12.437	0.350	90.0	50 64 185	1 4017
7169	8.5	33 40.20	3.1642	0.0062	4 59 21.6	12.460	0.356	89.5	5 Beob.	5 5334
7170	6.5	33 49.20	3.1695	0.0063	5 16 51.4	12.470	0.357	90.3	(28) 163 250	5 5335
7171	6.9	20 34 1.11	+3.1232	−0.0054	−2 45 53.1	+12.484	+0.351	89.6	6 Beob.	2 5328
7172	8.5	34 17.97	3.1680	0.0063	5 12 23.6	12.503	0.356	89.5	(7) (11) 69 183	5 5337
7173	7.0	35 0.07	3.1275	0.0055	3 0 21.2	12.551	0.350	89.9	(4) (6) 163 250	3 4981
7174	9.0	35 6.47	3.1450	0.0058	3 58 7.1	12.558	0.352	90.0 90.1	6 Beob.	4 5213
7175	8.8	35 15.07	3.1488	0.0059	4 10 29.3	12.568	0.352	90.0	7 Beob.	4 5216
7176	9.2	20 35 26.58	+3.1081	−0.0051	−1 56 57.5	+12.581	+0.347	89.7	6 Beob.	[2 5330]
7177	9.5	35 57.68	3.1700	0.0064	5 20 53.6	12.617	0.354	90.7 91.0	(28)[1] 163 250 261	[5 5343]
7178	8.7	35 58.43	3.1472	0.0059	4 5 59.3	12.617	0.351	89.5	(7) (11) 69 183	4 5220
7179	9.0	35 59.23	3.1278	0.0055	3 2 3.9	12.618	0.349	90.4 90.7	6 Beob.	3 4984
7180	8.8	36 0.30	3.1538	0.0060	4 27 37.9	12.620	0.352	90.1	6 Beob.	4 5221
7181	9.0	20 36 1.39	+3.1739	−0.0065	−5 33 39.0	+12.621	+0.354	89.7	(28) 55 189	5 5344
7182	8.8	36 11.16	3.1210	0.0054	2 39 39.2	12.632	0.348	90.1	(38) 164 171	2 5335
7183	9.1	36 22.89	3.1069	0.0051	1 53 14.8	12.645	0.346	90.2	56 64 165 166	[2 5336]
7184	8.5	36 29.92	3.1116	0.0052	2 8 51.2	12.653	0.347	90.0	50 51 185	2 5337
7185	(9.0)[3]	36 31.63	3.1607	0.0062	4 50 56.6	12.655	0.352	91.2	191 250	5 5347
7186	8.0	20 36 34.81	+3.1408	−0.0058	−3 45 25.0	+12.659	+0.350	90.0	(9) (14) 186 270	3 4987
7187	9.0	36 38.64	3.1694	0.0064	5 19 46.7	12.663	0.353	90.2	(28) 53 183 270	5 5348
7188	8.6	36 39.21	3.1157	0.0053	2 22 37.7	12.664	0.347	90.4	5 Beob.	2 5338
7189	9.2	36 44.87	3.1238	0.0055	2 49 30.2	12.670	0.348	90.1	5 Beob.	[2 5340]
7190	9.0	36 58.59	3.1428	0.0058	3 52 13.9	12.685	0.349	89.9	5 Beob.	4 5228
7191	7.8	20 37 12.66	+3.1751	−0.0065	−5 39 14.0	+12.701	+0.353	89.9 90.1	(28)[2] 55 164 171	5 5349
7192	9.4	37 13.24	3.1403	0.0058	3 44 24.0	12.702	0.349	91.4	186 261 270	[3 4989]
7193	7.6	37 15.49	3.1212	0.0054	2 41 3.7	12.705	0.347	90.0	5 Beob.	2 5343
7194	9.5	37 18.42	3.1540	0.0061	4 29 41.9	12.708	0.350	90.4	(36) 189 272	[4 5230]
7195	8.4	37 26.03	3.1219	0.0054	2 43 17.7	12.716	0.346	89.6	50 56 64	2 5345
7196	9.0	20 38 1.66	+3.1725	−0.0065	−5 31 25.4	+12.757	+0.352	89.7	(28) 55 183	5 5354
7197	9.0	38 2.08	3.1079	0.0052	1 57 16.9	12.757	0.344	89.4 89.5	(9) (14) 68[4] 185	2 5349
7198	9.0	38 9.23	3.1241	0.0055	2 51 10.0	12.765	0.346	90.4	5 Beob.	3 4995
7199	8.7	38 13.16	3.1596	0.0062	4 48 59.7	12.769	0.350	90.0	6 Beob.	4 5236
7200	8.8	38 29.70	3.1644	0.0063	5 5 20.0	12.788	0.350	90.1	5 Beob.	5 5355

[1] δ ⅓ [2] δ ½ [3] Dupl. 11″ bor. seq.; Com. 0ᵐ.2—0ᵐ.3 schwächer [4] a ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7201	8.0	20h 38m 30s.62	+3s.1232	−0s.0055	−2° 48′ 34″.8	+12″.789	+0″.345	89.6	50 51 56 64	2° 5351
7202	7.5	38 39.20	3.1800	0.0067	5 57 1.3	12.799	0.352	91.3	183 248[2] 270	6 5568
7203	8.9	38 52.81	3.1531	0.0061	4 28 12.6	12.814	0.348	89.7 89.9	5 Beob.	4 5240
7204	7.0	38 57.92	3.1496	0.0060	4 16 34.7	12.820	0.348	89.9	5 Beob.	4 5241
7205	8.9	39 0.33	3.1652	0.0064	5 8 39.7	12.822	0.349	90.3 90.4	7 Beob.	5 5358
7206	var.	20 39 8.76	+3.1661	−0.0064	−5 11 41.8	+12.832	+0.349	—	R [1]	5 5359
7207	9.0	39 17.24	3.1577	0.0062	4 43 50.7	12.841	0.348	89.5 89.7	(9)[2] (14) 68 189	4 5242
7208	8.9	39 24.56	3.1212	0.0054	2 42 13.7	12.850	0.344	89.7	(4) (6) 164 171	2 5357
7209	9.0	39 40.88	3.1037	0.0051	1 43 46.0	12.868	0.342	89.9	50 51 64 185	1 4041
7210	8.8	40 18.01	3.1587	0.0062	4 48 8.0	12.909	0.347	90.0 90.1	6 Beob.	4 5248
7211	8.7	20 40 21.83	+3.1624	−0.0063	−5 0 40.8	+12.914	+0.347	89.4	(9) (14) 55 183	5 5364
7212	8.6	40 25.60	3.1047	0.0051	1 47 37.1	12.918	0.341	90.1	5 Beob.	1 4046
7213	8.8	40 32.39	3.1395	0.0059	3 44 15.5	12.925	0.344	90.0	(36) (38) 163 250	3 5007
7214	9.0	40 33.81	3.1201	0.0055	2 39 24.1	12.927	0.342	89.8	5 Beob.	2 5361
7215	8.9	40 40.45	3.1357	0.0058	3 31 32.7	12.934	0.344	90.4	(36) 183 272	3 5009
7216	9.1	20 41 7.38	+3.1551	−0.0062	−4 37 7.8	+12.964	+0.345	89.7	(11) 69 189	4 5252
7217	9.7	41 19.41	3.1740	0.0066	5 40 42.2	12.978	0.347	90.4	3 Beob.	[5 5370]
7218	8.5	41 26.58	3.1548	0.0062	4 36 18.5	12.986	0.345	90.4	(7) 165 166 272	4 5256
7219	8.3	41 30.86	3.1515	0.0061	4 25 19.6	12.990	0.344	91.7	250 283	4 5257
7220	9.1	41 30.99	3.1671	0.0065	5 17 41.2	12.991	0.346	98.1	2 Beob.	[5 5371]
7221	9.0	20 41 32.09	+3.1265	−0.0056	−3 1 28.8	+12.992	+0.342	90.3	(36) (38) 261 270	3 5013
7222	8.0	41 37.72	3.1275	0.0056	3 4 50.7	12.998	0.342	90.7	(36) 250 270	3 5017
7223	6.8	41 51.61	3.1234	0.0055	2 51 9.2	13.013	0.341	91.6	252 270	3 5018
7224	8.2	41 53.62	3.1093	0.0052	2 3 36.1	13.016	0.339	91.7	2 Beob.	2 5366
7225	8.4	41 57.63	3.1697	0.0065	5 26 57.7	13.020	0.346	90.8	186 191	5 5372
7226	9.0	20 41 59.76	+3.1030	−0.0051	−1 42 27.4	+13.023	+0.338	91.7	261 283	1 4052
7227	9.2	42 20.91	3.1702	0.0065	5 29 2.1	13.046	0.345	90.8	186 191	5 5376
7228	4.2	42 27.64	3.1685	0.0065	5 23 38.1	13.053	0.345	91.7	261 270	5 5378
7229	8.7	42 53.94	3.1330	0.0058	3 24 22.4	13.083	0.341	90.8	186 191	3 5022
7230	9.0	42 58.65	3.1259	0.0056	3 0 28.7	13.088	0.340	91.6	250 272	3 5023
7231	9.0	20 42 59.55	+3.1080	−0.0052	−1 59 42.4	+13.089	+0.338	90.0	(30) 64 252	2 5370
7232	7.5	42 59.80	3.1614	0.0064	5 0 25.8	13.089	0.344	90.4	(11) (28)[3] 250 270	5 5382
7233	8.8	43 15.64	3.1427	0.0060	3 57 28.0	13.106	0.341	90.1	(36) 186 191	4 5264
7234	8.8	43 19.43	3.1638	0.0064	5 8 40.2	13.111	0.343	90.7	(28) 261 272	5 5383
7235	8.9	43 41.28	3.1187	0.0055	2 36 17.4	13.135	0.338	90.2	64 190	2 5371
7236	9.4	20 43 49.14	+3.1221	−0.0055	−2 47 50.6	+13.143	+0.338	90.0	5 Beob.	[2 5373]
7237	9.3	43 56.83	3.1327	0.0058	3 24 7.1	13.152	0.339	89.7 90.1	(9)[3] (14)[4] 68 250	[3 5028]
7238	9.0	43 59.88	3.1603	0.0064	4 57 42.4	13.155	0.342	89.5 89.6	5 Beob.	5 5385
7239	9.5	44 7.41	3.1649	0.0065	5 13 24.9	13.163	0.343	90.4	(28) 163 285	[5 5387]
7240	8.6	44 22.64	3.1478	0.0061	4 15 35.8	13.180	0.340	90.3	5 Beob.	4 5270
7241	9.3	20 44 28.81	+3.1267	−0.0057	−3 3 57.8	+13.187	+0.338	91.2	189 270	3 5035
7242	8.5	44 31.69	3.1474	0.0061	4 14 35.3	13.190	0.340	90.3	6 Beob.	4 5271
7243	8.9	44 35.58	3.1427	0.0060	3 58 41.6	13.194	0.339	90.8	186 191	4 5273
7244	var.[5]	44 39.79	3.1699	0.0066	5 31 4.6	13.199	0.342	89.5	5 Beob.	5 5390
7245	8.9	44 40.83	3.1058	0.0052	1 52 59.4	13.200	0.335	89.9	(30) 56 64 252	2 5375
7246	9.4	20 44 44.67	+3.1188	−0.0055	−2 37 17.5	+13.204	+0.337	90.0	5 Beob.	[2 5376]
7247	9.0	44 55.24	3.1258	0.0056	3 1 28.2	13.216	0.337	89.5 89.6	(9)[4] (14) 68 183	3 5038
7248	8.3	45 3.76	3.1693	0.0066	5 29 19.8	13.225	0.342	89.5	5 Beob.	5 5393
7249	9.3	45 8.19	3.1213	0.0055	2 46 8.3	13.230	0.336	91.1	163 252	[2 5377]
7250	8.7	45 9.07	3.1066	0.0052	1 56 2.0	13.231	0.335	91.1	(30)[3] 250 270	2 5378

[1] 04.876 10m mikr. angeschl. an — 5° 5358   [2] δ ¼   [3] ½   [4] δ ½   [5] Schätzungen zwischen 8.3 u. 9.0

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
7251	9.4	20h 45m 10s.45	+3s.1717	−0s.0067	−5° 37′ 50″.1	+13s.233	+0s.342	90.0	(28) 53 261	[5° 5394]
7252	9.2	45 17.80	3.1430	0.0060	4 0 20.8	13.241	0.339	90.1	(36) 186 191	[4 5275]
7253	8.0	45 25.96	3.1634	0.0065	5 9 48.6	13.250	0.341	90.1 90.3	(28)[1] 164 171	5 5396
7254	9.3	45 30.61	3.1217	0.0055	2 47 33.9	13.255	0.336	91.0	165 166 283	[2 5381]
7255	9.5	45 34.45	3.1085	0.0053	2 2 37.0	13.259	0.334	90.2	56 189	[2 5382]
7256	9.0	20 45 35.86	+3.1381	−0.0059	−3 43 42.4	+13.261	+0.338	90.8	186 191	3 5043
7257	9.1	45 37.30	3.1275	0.0057	3 7 45.1	13.262	0.336	89.5 89.6	(9)[1] (14) 68 183	3 5044
7258	9.4	45 43.36	3.1235	0.0056	2 53 51.3	13.269	0.336	90.2	5 Beob.	[3 5045]
7259	9.1	46 3.18	3.1774	0.0068	5 58 10.7	13.290	0.341	89.8	(28) 190	6 5603
7260	8.0	46 4.49	3.1543	0.0063	4 39 36.1	13.292	0.339	89.8 89.7	5 Beob.	4 5280
7261	6.5	20 46 7.52	+3.1779	−0.0068	−6 0 1.6	+13.295	+0.341	90.6	53 163 250	6 5604
7262	9.2	46 11.92	3.1426	0.0060	3 59 47.0	13.300	0.337	89.8	(36) (38) 186 191	[4 5281]
7263	9.2	46 30.61	3.1280	0.0057	3 9 54.2	13.320	0.335	90.1	5 Beob.	[3 5047]
7264	8.5	46 32.64	3.1631	0.0065	5 10 14.8	13.323	0.339	90.7	164 171	5 5401
7265	9.2	46 36.25	3.1065	0.0053	1 56 6.3	13.326	0.333	89.7	(30) 56 64 183	[2 5387]
7266	8.6	20 46 50.15	+3.1187	−0.0055	−2 38 9.9	+13.342	+0.334	89.8	5 Beob.	2 5390
7267	6.0	46 51.46	3.1755	0.0068	5 52 56.4	13.343	0.340	90.0	53 55 190	6 5606
7268	8.5	47 2.80	3.1613	0.0065	5 4 41.8	13.355	0.338	91.0 91.1	165[1] 166 270	5 5402
7269	8.0	47 8.29	3.1353	0.0059	3 35 42.6	13.361	0.335	90.0 90.1	(36) (38)[1] 163 250	3 5048
7270	8.4	47 49.59	3.1182	0.0055	2 37 12.0	13.406	0.332	89.8	5 Beob.	2 5392
7271	8.7	20 48 3.84	+3.1690	−0.0067	−5 32 15.9	+13.422	+0.338	90.0	5 Beob.	5 5407
7272	8.8	48 17.27	3.1342	0.0059	3 32 40.4	13.436	0.333	89.5	(7) (11) 69 183	3 5055
7273	8.8	48 35.38	3.1229	0.0056	2 53 56.0	13.456	0.332	91.0	164 171 252	3 5057
7274	9.0	48 35.40	3.1590	0.0064	4 58 35.7	13.456	0.336	91.1	163 250	5 5409
7275	9.4	48 48.23	3.1098	0.0054	2 8 44.2	13.470	0.330	89.8 89.9	7 Beob.	[2 5394]
7276	6.7	20 48 48.96	+3.1580	−0.0064	−4 55 15.9	+13.470	+0.335	89.8	(36) (38) 186 191	5 5410
7277	9.0	48 54.71	3.1470	0.0062	4 17 22.5	13.477	0.334	89.5 89.6	(9)[1] (14) 68 183	4 5294
7278	9.2	49 5.65	3.1253	0.0057	3 2 40.7	13.488	0.331	89.7	5 Beob.	[3 5062]
7279	8.2	49 18.11	3.1739	0.0068	5 50 39.8	13.502	0.336	90.3 90.4	5 Beob.	6 5619
7280	9.0	49 31.95	3.1728	0.0068	5 47 15.2	13.517	0.336	89.7	(28) 163	5 5411
7281	9.2	20 49 33.98	+3.1478	−0.0062	−4 20 52.2	+13.519	+0.333	96.7	2 Beob.	[4 5297]
7282	9.2	49 42.01	3.1195	0.0056	2 42 54.6	13.528	0.330	89.6	5 Beob.	[2 5399]
7283	8.2	49 43.96	3.1030	0.0052	1 45 21.2	13.530	0.328	89.9	5 Beob.	1 4073
7284	9.2	49 46.02	3.1740	0.0068	5 51 37.2	13.532	0.336	90.7	55 190 261	[6 5624]
7285	9.0	49 51.06	3.1063	0.0053	1 56 59.7	13.537	0.328	90.8	186 191	2 5400
7286	9.3	20 49 54.35	+3.1252	−0.0057	−3 2 43.3	+13.541	+0.330	89.6	(7)[2] (11) 69 190	[3 5065]
7287	6.7	49 58.17	3.1029	0.0052	1 45 16.7	13.545	0.328	90.0	(30) 64 252	1 4075
7288	9.2	50 0.74	3.1311	0.0058	3 23 29.3	13.548	0.331	90.2	(36) (38) 252 270	[3 5066]
7289	9.1	50 2.45	3.1473	0.0062	4 19 51.1	13.550	0.332	89.5	(9) (14) 68 189	[4 5300]
7290	9.0	50 4.08	3.1132	0.0054	2 21 16.8	13.551	0.329	90.8	186 191	2 5403
7291	8.5	20 50 15.83	+3.1449	−0.0062	−4 11 37.0	+13.564	+0.332	90.4 90.2	(9)[3] 68 163 250	4 5303
7292	8.7	50 27.90	3.1500	0.0063	4 29 37.2	13.577	0.332	91.0	165 166 270	4 5304
7293	8.9	50 38.26	3.1426	0.0061	4 3 50.8	13.588	0.331	89.7	5 Beob.	4 5305
7294	6.9	51 4.31	3.1404	0.0061	3 56 41.2	13.616	0.330	89.5	(7) (11) 69 189	4 5307
7295	8.9	51 4.40	3.1637	0.0066	5 17 41.6	13.616	0.333	89.7	(28) 53 55 183	5 5417
7296	9.1	20 51 6.54	+3.1297	−0.0058	−3 19 28.5	+13.618	+0.329	90.0	6 Beob.	[3 5072]
7297	9.2	51 14.92	3.1731	0.0068	5 50 43.4	13.627	0.334	89.7	(28) 163	[6 5630]
7298	9.2	51 17.90	3.1061	0.0053	1 57 2.3	13.630	0.326	89.8	(30) 64 190	[2 5408]
7299	9.2	51 24.11	3.1644	0.0066	5 20 30.3	13.637	0.332	90.6	53 55 250 252	5 5421
7300	8.9	51 24.32	3.1127	0.0054	2 19 59.8	13.637	0.327	90.7	164 171	2 5409

[1] δ ½ [2] ½ [3] α ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7301	7.5	20ʰ 51ᵐ 30ˢ.67	+3ˢ.1422	−0ˢ.0061	−4° 3′ 28″.3	+13″.644	+0″.330	89.5	(9) (14) 68 189	4° 5311
7302	9.0	51 52.25	3.1477	0.0062	4 23 4.1	13.667	0.330	89.8	(36) (38) 186 191	4 5315
7303	9.3	51 56.21	3.1099	0.0054	2 10 35.1	13.671	0.326	90.4	(6) 190 270	[2 5411]
7304	9.0	51 59.66	3.1032	0.0052	1 47 11.9	13.675	0.325	89.7	(30) 56 64 183	1 4082
7305	8.5	52 16.05	3.1345	0.0059	3 37 16.6	13.693	0.328	89.9 90.1	5 Beob.	3 5076
7306	8.5	20 52 25.08	+3.1176	−0.0056	−2 37 58.0	+13.702	+0.326	90.7	164 171	2 5413
7307	9.2	52 29.70	3.1177	0.0056	2 38 32.3	13.707	0.326	91.0 91.1	165 166[1] 270	[2 5414]
7308	9.1	52 35.50	3.1392	0.0061	3 53 57.4	13.713	0.328	89.5	(9) (14) 68 189	[4 5318]
7309	9.4	52 39.60	3.1375	0.0060	3 48 11.5	13.718	0.328	90.8	186 191	[3 5078]
7310	8.8	52 47.93	3.1213	0.0057	2 51 5.2	13.727	0.326	91.6	252 272	3 5079
7311	9.0	20 52 57.38	+3.1325	−0.0059	−3 30 39.0	+13.737	+0.327	89.5	(7) (11) 69 183	3 5080
7312	8.7	53 8.86	3.1094	0.0054	2 9 37.6	13.749	0.324	90.2 90.3	6 Beob.	2 5416
7313	9.1	53 13.60	3.1120	0.0055	2 18 38.8	13.754	0.324	90.1	5 Beob.	2 5417
7314	7.0	53 31.06	3.1446	0.0062	4 13 44.4	13.772	0.327	89.9 89.8	(28) 53 165[1] 166	4 5321
7315	9.1	53 31.44	3.1478	0.0063	4 25 6.9	13.773	0.328	90.0	(38) 55 252	[4 5322]
7316	7.8	20 53 36.24	+3.1356	−0.0060	−3 42 15.0	+13.778	+0.326	89.5 89.6	(9)[1] (14) 68 189	3 5084
7317	8.3	53 55.12	3.1503	0.0064	4 34 20.8	13.798	0.327	89.5	(7) (11) 69 183	4 5323
7318	9.4	54 8.28	3.1116	0.0055	2 17 41.5	13.812	0.323	89.8	(3^a)[2] (4) 164 171	[2 5419]
7319	8.0	54 21.39	3.1041	0.0053	1 51 20.1	13.826	0.322	90.1	(30) 64 261	2 5421
7320	8.5	54 24.35	3.1535	0.0064	4 46 18.2	13.829	0.327	90.7	(38) 252 270	4 5324
7321	9.2	20 54 42.17	+3.1570	−0.0065	−4 58 53.2	+13.847	+0.327	95.6	3 Beob.	5 5431
7322	8.8	54 51.30	3.1730	0.0069	5 55 40.5	13.857	0.328	91.2	183 272	6 5646
7323	8.9	55 6.65	3.1269	0.0058	3 12 38.2	13.873	0.323	91.7	261 270	3 5087
7324	6.5	55 15.66	3.1718	0.0069	5 52 2.0	13.883	0.328	91.6	252 272	6 5650
7325	**6.0**	**55 17.90**	**3.1591**	**0.0066**	**5 7 0.2**	**13.885**	**0.326**		**Fund. Kat.**	**5 5433**
7326	8.0	20 55 23.90	+3.1698	−0.0068	−5 44 52.9	+13.891	+0.327	91.2	163 285	5 5434
7327	9.4	55 54.43	3.1096	0.0054	2 11 46.4	13.923	0.320	91.8	283 285	[2 5424]
7328	8.0	55 55.05	3.1372	0.0061	3 49 55.7	13.924	0.323	91.2	183 272	4 5332
7329	9.0	55 55.81	3.1303	0.0059	3 25 33.8	13.925	0.322	91.7	270 285	3 5090
7330	8.0	56 10.52	3.1215	0.0057	2 54 19.7	13.940	0.321	90.1	5 Beob.	3 5092
7331	8.8	20 56 17.32	+3.1035	−0.0053	−1 50 4.2	+13.948	+0.319	89.3	(16) (26) 71 74	2 5426
7332	7.3	56 25.85	3.1487	0.0063	4 31 26.4	13.956	0.324	90.4	(38) 163 261	4 5337
7333	8.8	56 32.13	3.1380	0.0061	3 53 37.5	13.963	0.322	91.2	171 285	4 5338
7334	8.0	56 36.60	3.1576	0.0066	5 3 29.2	13.968	0.324	89.7	(28) 53 183	5 5440
7335	9.0	56 46.59	3.1443	0.0063	4 16 10.5	13.978	0.323	89.5	5 Beob.	4 5340
7336	9.1	20 56 54.41	+3.1216	−0.0057	−2 55 19.0	+13.986	+0.320	89.5 89.7	(9)[3] (14) 68 190	[3 5095]
7337	9.3	57 14.41	3.1088	0.0054	2 9 26.2	14.007	0.318	89.6	5 Beob.	[2 5428]
7338	9.2	57 14.60	3.1211	0.0057	2 53 46.2	14.007	0.320	90.4	(9)[2] 68 190 261	[3 5097]
7339	9.0	57 24.40	3.1712	0.0069	5 52 50.5	14.018	0.325	89.9	(28) 53 55 250	6 5657
7340	9.5	57 40.93	3.1076	0.0054	2 5 31.6	14.035	0.318	90.0 89.9	5 Beob.	[2 5430]
7341	7.3	20 57 57.60	+3.1011	−0.0052	−1 42 9.5	+14.052	+0.316	89.3	(16) (26) 74 77	1 4098
7342	8.0	58 8.85	3.1690	0.0069	5 46 10.3	14.064	0.323	90.7	(28) 163 250 252	5 5447
7343	8.0	58 12.02	3.1221	0.0057	2 57 55.6	14.067	0.318	89.7	(14) 68 190	3 5101
7344	7.4	58 18.13	3.1179	0.0056	2 42 59.3	14.074	0.318	89.4	6 Beob.	2 5433
7345	7.0	58 19.03	3.1055	0.0054	1 58 28.7	14.074	0.316	89.3	(16) (26) 71 74	2 5434
7346	8.7	20 58 21.63	+3.1144	−0.0056	−2 30 21.4	+14.077	+0.317	90.0	56 64 183	2 5435
7347	9.1	58 25.21	3.1443	0.0063	4 18 11.1	14.081	0.320	90.6	5 Beob.	[4 5345]
7348	9.3	58 25.28	3.1285	0.0059	3 21 18.9	14.081	0.319	91.2	165 166 270 283	[3 5102]
7349	8.6	58 40.74	3.1400	0.0062	4 2 59.3	14.097	0.319	89.8	6 Beob.	4 5348
7350	9.1	59 12.08	3.1044	0.0053	1 54 54.0	14.129	0.315	89.5	(9) (14) 68 189	[2 5438]

[1] δ ½ [2] ½ [3] δ ¼

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7351	9.1	20h 59m 20s.84	+3s.1200	—0s.0057	—2° 51′ 13″.7	+14″.139	+0″.316	90.2 90.0	5 Beob.	[3° 5108]
7352	9.1	59 22.14	3.1305	0.0060	3 29 20.6	14.140	0.317	89.9	5 Beob.	[3 5109]
7353	8.3	59 29.54	3.1593	0.0067	5 13 13.4	14.148	0.320	89.9	(28) 53 164 171	5 5452
7354	9.5	59 32.67	3.1289	0.0059	3 23 51.3	14.151	0.317	90.5 90.3	5 Beob.	[3 5111]
7355	9.4	59 34.62	3.1306	0.0060	3 29 53.1	14.153	0.317	90.7	71 165 285	[3 5112]
7356	9.0	20 59 46.82	+3.1157	—0.0056	—2 36 0.9	+14.165	+0.314	89.6	5 Beob.	2 5444
7357	9.1	59 50.65	3.1650	0.0068	5 34 17.1	14.169	0.320	89.9	(28)[1] 55 190	[5 5457]
7358	9.0	59 52.53	3.1639	0.0068	5 30 23.1	14.171	0.320	89.7	(28) 53 189	5 5458
7359	7.0	21 0 17.27	3.1513	0.0065	4 45 37.7	14.197	0.318	89.7 89.8	5 Beob.	4 5355
7360	9.1	0 23.92	3.1200	0.0057	2 52 1.6	14.204	0.315	90.0	6 Beob.	[3 5116]
7361	8.3	21 1 1.64	+3.1708	—0.0070	—5 56 59.4	+14.242	+0.319	89.8	7 Beob.	6 5674
7362	8.9	1 18.60	3.1651	0.0069	5 36 44.1	14.260	0.318	89.6	7 Beob.	5 5463
7363	9.4	1 39.73	3.1085	0.0054	2 11 8.2	14.281	0.312	90.3	5 Beob.	[2 5451]
7364	9.0	1 40.16	3.1246	0.0058	3 9 49.0	14.282	0.314	89.9	5 Beob.	3 5121
7365	9.0	1 43.63	3.1176	0.0057	2 44 9.5	14.285	0.313	89.6	6 Beob.	2 5453
7366	8.9	21 2 0.50	+3.1384	—0.0062	—4 0 35.0	+14.303	+0.315	90.0	6 Beob.	4 5362
7367	7.8	2 25.62	3.1706	0.0070	5 58 31.3	14.328	0.317	90.1	(28)[1] 53 165 166	6 5683
7368	8.7	2 27.43	3.1551	0.0066	5 2 3.1	14.330	0.316	89.5 89.6	5 Beob.	5 5472
7369	8.2	2 28.05	3.1522	0.0065	4 51 21.0	14.331	0.315	89.5	(7) (11) 69 189	5 5473
7370	7.0	2 30.79	3.1128	0.0056	2 27 17.2	14.334	0.311	89.4	5 Beob.	2 5456
7371	8.7	21 2 44.68	+3.1528	—0.0066	—4 54 2.5	+14.348	+0.315	89.7	(7) (11) 69 250	5 5474
7372	9.1	3 1.64	3.1071	0.0054	2 6 42.1	14.365	0.310	90.1 90.2	5 Beob.	[2 5460]
7373	9.0	3 3.03	3.1648	0.0069	5 38 11.9	14.366	0.316	95.3	3 Beob.	5 5477
7374	8.6	3 27.79	3.1238	0.0058	3 8 26.5	14.392	0.311	89.7	5 Beob.	3 5123
7375	9.1	3 31.12	3.1514	0.0065	4 49 51.5	14.395	0.314	90.2	(38) 186 191	[5 5480]
7376	9.0	21 3 37.69	+3.1348	—0.0061	—3 49 14.9	+14.402	+0.312	89.7	(30) 56 64 190	4 5370
7377	7.0	3 41.19	3.1702	0.0070	5 59 5.8	14.405	0.315	97.7	2 Beob.	6 5690
7378	9.1	3 44.81	3.1292	0.0060	3 28 46.6	14.409	0.311	89.8	(30) 69 190	[3 5127]
7379	8.0	3 50.39	3.1411	0.0063	4 12 36.6	14.414	0.312	90.2	(38) 186 191	4 5371
7380	9.3	3 53.43	3.1086	0.0055	2 12 34.4	14.418	0.309	90.0	5 Beob.	[2 5464]
7381	8.5	21 4 2.51	+3.1598	—0.0068	—5 21 29.4	+14.427	+0.314	90.1	(28) 164 171	5 5483
7382	7.8	4 5.46	3.1425	0.0063	4 17 55.0	14.430	0.312	90.2	68 189	4 5372
7383	9.3	4 21.90	3.1620	0.0068	5 29 53.3	14.446	0.314	97.7	2 Beob.	5 5485
7384	8.8	5 2.61	3.1325	0.0061	3 41 59.5	14.488	0.310	89.5 89.6	(36)[2] (38) 189	3 5136
7385	8.9	5 3.14	3.1345	0.0061	3 49 31.7	14.488	0.310	89.9	5 Beob.	4 5376
7386	9.5	21 5 4.76	+3.1050	—0.0054	—1 59 51.4	+14.490	+0.307	90.0	(4) 68 250	[2 5469]
7387	9.3	5 6.10	3.1117	0.0055	2 24 49.9	14.491	0.307	89.3 89.4	(16) (26)[2] 71 74	[2 5470]
7388	8.8	5 13.12	3.1424	0.0063	4 18 59.5	14.498	0.310	89.9	(11) 69 165 166	4 5378
7389	9.2	5 30.53	3.1117	0.0055	2 25 16.8	14.516	0.307	90.1 90.4	5 Beob.	[2 5472]
7390	9.0	5 59.32	3.1564	0.0067	5 11 39.6	14.545	0.311	89.9	(28) 53 165 166	5 5489
7391	8.0	21 6 1.82	+3.1459	—0.0064	—4 32 52.9	+14.547	+0.310	89.7	5 Beob.	4 5382
7392	8.9	6 6.12	3.1047	0.0054	1 59 38.3	14.551	0.305	89.7	(4) (6) 164 171	2 5474
7393	8.5	6 14.75	3.1340	0.0061	3 48 44.3	14.560	0.308	89.7 89.5	(11) 69 190[3]	3 5138
7394	7.6	6 22.35	3.1138	0.0056	2 33 26.9	14.568	0.306	89.5	(9)[4] (14) 68 190	2 5476
7395	7.8	6 22.90	3.1001	0.0053	1 42 33.7	14.568	0.304	89 4	5 Beob.	1 4116
7396	9.0	21 6 23.30	+3.1355	—0.0062	—3 54 43.8	+14.569	+0.308	89.8 90.0	(36)[2] (38) 186 191	4 5385
7397	7.4	6 23.66	3.1294	0.0060	3 31 43.3	14.569	0.307	90.0	(36) 61 252	3 5140
7398	9.0	6 30.93	3.1606	0.0068	5 28 9.5	14.576	0.310	90.1	(28) 186 191	5 5491
7399	8.5	6 36.11	3.1210	0.0058	3 0 37.7	14.581	0.306	89.9 90.1	5 Beob.	3 5141
7400	9.1	7 3.66	3.1120	0.0056	2 27 24.5	14.609	0.305	90.1	(3[2])[1] (4) 189 259	[2 5477]

[1] ½ [2] δ ½ [3] δ ⅓ [4] δ ¾

Nr.	Gr.	A.R. 1900			Praec.	Var. saec.	Decl. 1900			Praec.	Var. saec.	Ep.	Zonen	B.D.
7401	8.3	21h	7m	5.01s	+3.1523s	−0.0066s	−4°	58'	11.8"	+14.610"	+0.309"	90.3	5 Beob.	5° 5495
7402	9.0		7	7.03	3.1008	0.0053	1	45	15.3	14.612	0.303	89.9	6 Beob.	1 4121
7403	9.2		7	11.35	3.1098	0.0055	2	19	2.3	14.617	0.304	90.8 91.0	6 Beob.	[2 5479]
7404	8.3		7	21.20	3.1480	0.0065	4	42	23.6	14.627	0.308	89.4 89.5	7 Beob.	4 5389
7405	9.0		7	43.82	3.1414	0.0063	4	18	10.3	14.649	0.307	90.1	5 Beob.	4 5391
7406	9.5	21	7	51.60	+3.1116	−0.0056	−2	26	20.5	+14.657	+0.303	90.4	7 Beob.	[2 5481]
7407	7.8		7	59.22	3.1473	0.0065	4	40	42.8	14.664	0.307	89.8	6 Beob.	4 5392
7408	8.7		8	0.16	3.1431	0.0064	4	24	53.5	14.665	0.306	90.3	5 Beob.	4 5393
7409	9.2		8	5.66	3.1625	0.0069	5	37	27.2	14.671	0.308	89.9	6 Beob.	5 5498
7410	8.3		8	53.45	3.1229	0.0059	3	9	54.2	14.718	0.303	89.7	5 Beob.	3 5155
7411	9.7	21	9	1.76	+3.1106	−0.0055	−2	23	30.7	+14.726	+0.302	90.5	6 Beob.	[2 5485]
7412	9.0		9	5.99	3.1398	0.0063	4	13	38.0	14.731	0.304	90.0 89.9	5 Beob.	4 5396
7413	9.1		9	15.15	3.1273	0.0060	3	26	38.6	14.740	0.303	89.8 89.9	6 Beob.	[3 5156]
7414	8.9		9	19.54	3.1151	0.0057	2	40	37.7	14.744	0.302	90.2	5 Beob.	2 8486
7415	8.3		9	39.83	3.1114	0.0056	2	26	55.1	14.764	0.301	89.6 89.5	5 Beob.	2 5488
7416	7.0	21	9	47.59	+3.1672	−0.0071	−5	57	55.7	+14.772	+0.306	90.2	(28) 53 191[2] 260	6 5720
7417	7.0		9	52.11	3.1199	0.0058	2	59	11.8	14.776	0.301	90.0 89.8	(3[2])[1] (4)[2] 164 171	3 5160
7418	9.0		9	57.09	3.1396	0.0063	4	13	57.3	14.781	0.303	89.7 89.8	(9)[3] (11) 69 263	4 5398
7419	8.6		10	13.43	3.1656	0.0070	5	52	46.9	14.797	0.305	89.4	5 Beob.	6 5725
7420	8.7		10	24.74	3.1193	0.0058	2	57	28.5	14.808	0.300	90.4	(4) 190 270	3 5162
7421	9.5	21	10	56.97	+3.1101	−0.0055	−2	22	44.0	+14.840	+0.299	90.0 89.8	5 Beob.	[2 5492]
7422	9.2		11	10.52	3.1394	0.0063	4	14	40.4	14.853	0.301	89.9	53 61 64 189	[4 5402]
7423	6.8		11	29.10	3.1044	0.0054	2	1	29.4	14.871	0.297	90.1	5 Beob.	2 5495
7424	9.2		11	42.71	3.1166	0.0057	2	48	19.4	14.885	0.298	89.7 89.8	(4) (6)[3] 64 171	[2 5497]
7425	8.3		11	56.29	3.1456	0.0065	4	39	27.5	14.898	0.301	89.7	(28) 53 189	4 5404
7426	8.0	21	12	9.73	+3.1633	−0.0070	−5	47	1.7	+14.911	+0.302	90.2	(16) 263	5 5507
7427	8.5		12	18.75	3.1648	0.0070	5	53	11.8	14.920	0.302	89.6	(26) 71 74 77	6 5729
7428	9.0		12	19.92	3.1408	0.0064	4	21	35.0	14.921	0.300	89.8	(28) 189	4 5408
7429	8.5		12	38.60	3.1335	0.0062	3	53	52.7	14.939	0.298	90.1	5 Beob.	4 5410
7430	8.7		12	45.00	3.1008	0.0053	1	48	25.7	14.945	0.295	89.7	(30) 56 64 190	1 4140
7431	7.9	21	12	53.46	+3.1126	−0.0056	−2	33	39.0	+14.954	+0.296	90.5	6 Beob.	2 5499
7432	6.0		12	56.29	3.1497	0.0066	4	56	22.3	14.956	0.299	90.0	53 61 190	5 5512
7433	9.6		13	6.43	3.1625	0.0070	5	45	52.3	14.966	0.300	90.5	(26) 71 259 260	[5 5514]
7434	7.8		13	13.31	3.1365	0.0063	4	6	1.9	14.973	0.298	91.0 90.6	61[2] 250	4 5413
7435	8.5		13	24.82	3.1279	0.0060	3	33	6.2	14.984	0.297	90.1	5 Beob.	3 5172
7436	9.5	21	13	33.50	+3.1030	−0.0053	−1	57	14.2	+14.993	+0.294	90.1	5 Beob.	[2 5503]
7437	8.3		13	34.45	3.1124	0.0056	2	33	25.4	14.993	0.295	90.4	(3[2])[1] 61 189 265	2 5504
7438	8.3		14	8.16	3.1065	0.0054	2	11	18.5	15.026	0.293	90.5	7 Beob.	2 5505
7439	8.0		14	24.64	3.1642	0.0070	5	54	30.5	15.042	0.299	89.8	6 Beob.	6 5733
7440	8.2		14	29.66	3.1237	0.0059	3	17	59.9	15.047	0.295	89.9	(28) 53 164 171	3 5176
7441	9.0	21	14	48.02	+3.1581	−0.0069	−5	31	48.9	+15.064	+0.297	89.6	5 Beob.	5 5520
7442	8.3		15	8.74	3.1024	0.0053	1	55	42.2	15.084	0.292	89.9	(30) 56 64 260	2 5507
7443	8.6		15	15.77	3.1108	0.0056	2	28	38.4	15.091	0.292	90.0 90.2	5 Beob.	2 5508
7444	9.2		15	17.98	3.1325	0.0062	3	53	16.6	15.093	0.294	90.0	(28) 53 259	[4 5425]
7445	9.3		15	18.99	3.1147	0.0057	2	43	49.7	15.094	0.292	90.7	61 263	[2 5509]
7446	9.2	21	15	22.95	+3.1250	−0.0059	−3	24	5.0	+15.098	+0.293	90.7	(36) 259 270	[3 5178]
7447	9.0		15	23.35	3.1056	0.0054	2	8	19.3	15.098	0.291	98.1	2 Beob.	2 5510
7448	8.9		15	28.50	3.1016	0.0053	1	52	44.8	15.103	0.291	91.6	250 267	2 5511
7449	9.2		15	48.58	3.1114	0.0056	2	31	29.7	15.123	0.291	91.8	283 285	[2 5514]
7450	6.0		15	49.72	3.1493	0.0066	4	59	4.6	15.124	0.295		**Fund. Kat.**	5 5524

[1] ½ [2] α ½ [3] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7451	9.3	$21^h\ 15^m\ 53^s.03$	$+3^s.1262$	$-0^s.0060$	$-3^\circ 29'\ 4''.8$	$+15''.127$	$+0''.293$	90.3	(36) (38) 263 270	[3° 5181]
7452	9.2	15 58.90	3.1258	0.0060	3 27 43.9	15.132	0.292	90.3	(36) (38) 263 270	[3 5182]
7453	9.5	16 17.25	3.1642	0.0071	5 57 56.0	15.150	0.296	91.7	2 Beob.	[6 5742]
7454	8.9	16 21.67	3.1608	0.0070	5 44 37.3	15.154	0.295	91.6	250 267	5 5528
7455	8.0	16 25.18	3.1479	0.0066	4 54 40.3	15.158	0.294	91.7	252[1] 283	5 5529
7456	9.1	21 16 33.65	+3.1111	−0.0056	−2 30 47.6	+15.166	+0.290	91.8	2 Beob.	[2 5516]
7457	8.6	16 33.94	3.1281	0.0060	3 37 28.2	15.166	0.292	90.7	(36) 259 265	3 5184
7458	9.4	16 37.96	3.1010	0.0053	1 51 8.0	15.170	0.289	90.7	64 263	[2 5517]
7459	8.2	16 38.11	3.1430	0.0065	4 35 45.6	15.170	0.293	91.7	252[1] 270	4 5433
7460	9.0	16 42.07	3.1466	0.0066	4 49 58.4	15.174	0.293	90.8	(28) 270 285	5 5532
7461	9.2	21 16 47.61	+3.1006	−0.0053	−1 49 44.6	+15.179	+0.289	90.1	(30) 64 263	[2 5518]
7462	8.9	16 50.41	3.1471	0.0066	4 52 9.5	15.182	0.293	00.3	3 Beob.	5 5533
7463	9.1	17 13.66	3.1258	0.0060	3 29 0.3	15.204	0.291	90.3	(36) (38) 267 285	[3 5187]
7464	7.0	17 14.57	3.1269	0.0060	3 33 21.6	15.205	0.291	90.7	(36) 250 267	3 5188
7465	9.3	17 21.91	3.1084	0.0055	2 20 39.2	15.212	0.289	90.7	61 191[2] 260	[2 5520]
7466	9.2	21 17 25.66	+3.1574	−0.0069	−5 33 18.5	+15.215	+0.293	89.4	5 Beob.	[5 5535]
7467	9.0	17 35.64	3.1184	0.0058	3 0 27.6	15.225	0.289	89.7	(30) 56 189	3 5191
7468	8.2	17 36.25	3.1331	0.0062	3 58 21.8	15.225	0.291	90.0	53 61 190	4 5438
7469	9.1	17 39.64	3.1177	0.0057	2 57 27.9	15.228	0.289	91.2	189 270	[3 5192]
7470	9.0	18 5.37	3.1549	0.0068	5 24 28.8	15.253	0.292	89.9	6 Beob.	5 5536
7471	8.8	21 18 5.53	+3.1067	−0.0054	−2 14 24.0	+15.253	+0.288	90.2	(4) (6) 250 265	2 5522
7472	9.1	18 25.30	3.1033	0.0054	2 1 23.5	15.272	0.287	90.3	(30) 64 190 285	[2 5524]
7473	9.3	18 55.99	3.1081	0.0055	2 20 39.3	15.301	0.286	91.1 90.9	61[3] 191[2] 259 260	[2 5525]
7474	9.4	19 15.70	3.1548	0.0068	5 26 0.0	15.319	0.290	89.7	5 Beob.	5 5542
7475	9.5	19 19.00	3.1127	0.0056	2 39 24.1	15.322	0.286	90.9	(4) 250 267 285	[2 5528]
7476	9.5	21 19 20.97	+3.1051	−0.0054	−2 9 0.3	+15.324	+0.285	91.2	191[2] 260	[2 5529]
7477	9.1	19 24.17	3.1050	0.0054	2 8 51.2	15.327	0.285	90.3	5 Beob.	[2 5531]
7478	8.3	19 27.28	3.1446	0.0065	4 46 7.1	15.330	0.289	90.2	(28) 53 189 265	4 5443
7479	6.7	19 38.93	3.1303	0.0061	3 49 37.7	15.341	0.287	90.9	(36) 250 259 267	4 5444
7480	8.7	19 56.03	3.1138	0.0056	2 44 17.1	15.357	0.285	90.2	(4) (6) 263 270	2 5532
7481	8.1	21 19 56.28	+3.1090	−0.0055	−2 25 8.0	+15.357	+0.285	90.6 90.4	61[3] 189 190	2 5533
7482	5.6	20 4.06	3.1326	0.0062	3 59 8.1	15.365	0.287	90.2	(36) (38) 252 270	4 5446
7483	9.7	20 7.23	3.1583	0.0069	5 41 29.7	15.368	0.289	90.4	6 Beob.	[5 5543]
7484	9.2	20 12.99	3.1508	0.0067	5 11 48.7	15.373	0.288	90.0	(28) 53 252	[5 5544]
7485	9.3	20 36.18	3.1015	0.0053	1 55 24.9	15.395	0.283	90.1	5 Beob.	[2 5535]
7486	8.8	21 21 10.41	+3.1044	−0.0054	−2 7 32.1	+15.427	+0.283	90.2	(4) (6) 252 267	2 5539
7487	9.0	21 13.53	3.1417	0.0065	4 37 0.1	15.429	0.286	89.8	6 Beob.	4 5450
7488	8.3	21 17.65	3.1237	0.0059	3 25 7.8	15.433	0.284	89.7	(28) 53 189	3 5206
7489	8.8	21 38.67	3.1199	0.0058	3 10 6.1	15.453	0.283	90.7	(28) 250 267	3 5208
7490	9.3	21 40.85	3.1210	0.0058	3 14 30.0	15.455	0.283	91.3	5 Beob.	[3 5209]
7491	9.0	21 22 4.41	+3.1048	−0.0054	−2 9 49.7	+15.477	+0.281	90.3	5 Beob.	2 5541
7492	8.1	22 12.15	3.1203	0.0058	3 12 13.3	15.484	0.282	89.4	5 Beob.	3 5211
7493	9.3	22 36.68	3.1102	0.0055	2 32 7.0	15.507	0.281	90.1 90.3	5 Beob.	[2 5543]
7494	8.5	22 37.66	3.1592	0.0070	5 49 39.9	15.508	0.285	90.2 90.7	(28)[4] 53 189 265	6 5760
7495	8.7	22 42.19	3.1259	0.0060	3 35 20.9	15.512	0.282	90.2	(36) (38) 250 267	3 5213
7496	8.5	21 22 42.89	+3.1151	−0.0057	−2 51 44.8	+15.512	+0.281	90.3 90.7	5 Beob.	3 5214
7497	9.0	22 53.80	3.1475	0.0066	5 3 3.1	15.522	0.284	90.2	61 189	5 5555
7498	7.8	23 7.37	3.1177	0.0058	3 2 44.8	15.535	0.281	90.2	(36) (38) 250 270	3 5216
7499	7.3	23 9.69	3.1217	0.0059	3 19 13.5	15.537	0.281	89.8	6 Beob.	3 5217
7500	8.8	23 21.83	3.1406	0.0064	4 35 55.4	15.548	0.283	89.7	(28) 53 190	4 5458

[1] $\delta\ \frac{1}{2}$ [2] $a\ \frac{1}{2}$ [3] $\delta\ \frac{1}{4}$ [4] δ o

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7501	9.1	21h 23m 37s.41	+3s.1116	−0s.0056	−2° 38' 22".4	+15".563	+0".279	91.1	5 Beob.	[2° 5547]
7502	9.2	23 54.51	3.1021	0.0053	2 0 2.6	15.578	0.278	90.1	5 Beob.	[2 5548]
7503	8.7	23 56.30	3.1413	0.0065	4 39 39.5	15.580	0.282	90.7	(28) 191[2] 260 270	4 5459
7504	9.0	24 10.41	3.1264	0.0060	3 39 6.3	15.593	0.280	89.8	6 Beob.	3 5222
7505	8.5	24 15.48	3.1307	0.0061	3 57 4.5	15.598	0.280	90.3	5 Beob.	4 5460
7506	8.5	21 24 45.98	+3.1583	−0.0070	−5 50 7.8	+15.625	+0.282	89.7 89.9	(28)[1] 53 190	6 5766
7507	9.1	24 56.14	3.1596	0.0070	5 55 30.6	15.635	0.282	90.7	61 263	6 5767
7508	8.0	25 0.65	3.1450	0.0066	4 56 25.0	15.639	0.280	90.2	(36) (38) 259 267	5 5564
7509	9.0	25 0.90	3.1200	0.0058	3 14 15.1	15.639	0.278	89.5	(16) (26) 71 190	3 5226
7510	8.3	25 4.12	3.1015	0.0053	1 58 20.9	15.642	0.276	89.7 89.8	5 Beob.	2 5551
7511	9.0	21 25 41.84	+3.1400	−0.0064	−4 36 44.8	+15.676	+0.279	90.7	61 285	4 5469
7512	8.8	25 54.11	3.1043	0.0053	2 10 17.4	15.688	0.275	91.7	259 270	2 5554
7513	9.0	25 58.21	3.1231	0.0059	3 27 59.0	15.691	0.277	91.7	263 265	3 5231
7514	8.8	26 10.22	3.1355	0.0063	4 19 3.7	15.702	0.278	91.7	259 265	4 5472
7515	8.6	26 10.81	3.1449	0.0066	4 57 54.2	15.703	0.278	91.7	267 285	5 5568
7516	8.6	21 26 17.70	+3.1439	−0.0066	−4 53 47.0	+15.709	+0.278	91.7	265 285	5 5569
7517	9.2	26 21.84	3.1238	0.0059	3 31 16.5	15.713	0.276	91.7	263 283	[3 5232]
7518	9.5	26 28.55	3.1029	0.0053	2 4 49.4	15.719	0.274	91.7	263 267	[2 5555]
7519	9.2	26 30.10	3.1017	0.0053	2 0 2.1	15.720	0.274	91.7	263 267	[2 5556]
7520	9.0	26 35.68	3.1318	0.0062	4 4 18.0	15.725	0.277	91.8	283 285	4 5473
7521	9.2	21 26 41.22	+3.1019	−0.0053	−2 0 50.5	+15.730	+0.274	91.7	263 267	[2 5559]
7522	8.7	26 55.27	3.1014	0.0053	1 59 0.6	15.743	0.273	91.7	259 267	2 5561
7523	9.1	27 6.30	3.1074	0.0054	2 24 2.3	15.753	0.274	91.8	2 Beob.	[2 5562]
7524	9.1	27 8.95	3.1210	0.0059	3 20 29.7	15.755	0.275	90.8	3 Beob.	3 5236
7525	8.8	27 20.75	3.1232	0.0059	3 29 38.8	15.766	0.275	89.6 89.8	6 Beob.	3 5237
7526	8.3	21 27 30.45	+3.1022	−0.0053	−2 2 56.6	+15.775	+0.272	90.2 90.4	(15)[1] (32) 263 265	2 5563
7527	8.8	27 54.07	3.1250	0.0060	3 38 5.0	15.796	0.274	90.2	(19) (21) 259 283	3 5239
7528	8.5	27 57.03	3.0985	0.0052	1 47 45.1	15.799	0.272	91.7	267 285	1 4174
7529	9.0	27 57.11	3.1443	0.0066	4 58 3.0	15.799	0.276	93.6	4 Beob.	5 5579
7530	9.4	28 2.77	3.1064	0.0054	2 20 36.4	15.804	0.272	89.3	(16) (26) 74 77	[2 5564]
7531	9.0	21 28 22.17	+3.1457	−0.0066	−5 4 32.5	+15.821	+0.275	90.2	61 190	5 5581
7532	8.7	28 28.38	3.1536	0.0069	5 37 48.2	15.827	0.276	90.7	61 260	5 5582
7533	8.2	28 30.86	3.1570	0.0070	5 51 38.5	15.829	0.276	90.0	(18) 52 285	6 5781
7534	8.7	28 33.83	3.1130	0.0056	2 48 47.4	15.832	0.272	89.7 89.8	(15) (32)[1] 56 259	3 5244
7535	9.2	28 36.57	3.1075	0.0054	2 25 33.3	15.834	0.271	91.7	2 Beob.	[2 5565]
7536	9.0	21 28 38.17	+3.1578	−0.0070	−5 55 22.8	+15.835	+0.276	91.8	2 Beob.	6 5782
7537	7.3	28 53.37	3.1417	0.0065	4 48 43.9	15.849	0.274	90.2	61 190	5 5584
7538	8.8	28 56.88	3.1014	0.0052	2 0 15.8	15.852	0.270	89.4	5 Beob.	2 5566
7539	9.0	28 57.97	3.1285	0.0061	3 53 45.0	15.853	0.273	90.2 90.5	(19) (21)[2] 263 267	4 5485
7540	9.4	29 2.04	3.1004	0.0052	1 56 27.1	15.857	0.270	89.4	(38) 54 59	[2 5567]
7541	7.5	21 29 2.68	+3.1278	−0.0061	−3 51 14.5	+15.857	+0.272	90.2 90.7	(19)[3] (21) 263 283	4 5487
7542	9.1	29 16.15	3.1079	0.0054	2 27 41.8	15.869	0.270	89.8	(15) (32) 285	2 5568
7543	9.4	29 29.67	3.1075	0.0054	2 26 24.4	15.881	0.270	89.9 90.1	5 Beob.	[2 5569]
7544	8.9	29 41.02	3.1494	0.0068	5 22 26.9	15.892	0.273	90.0	(18) 52 260	5 5586
7545	8.5	29 51.08	3.1322	0.0062	4 10 44.4	15.900	0.271	89.4	(19) (21) 190	4 5488
7546	9.3	21 30 0.58	+3.1002	−0.0052	−1 56 14.0	+15.909	+0.268	89.3	5 Beob.	[2 5572]
7547	6.0	30 4.38	3.1357	0.0063	4 25 45.1	15.912	0.271	90.4 90.2	61[4] 189	4 5489
7548	8.7	30 6.43	3.1458	0.0066	5 8 11.4	15.914	0.272	91.7	259 267	5 5587
7549	9.5	30 25.98	3.0992	0.0052	1 52 10.2	15.931	0.268	89.8 90.0	(36) (38)[2] 71 260	[2 5577]
7550	9.1	30 34.45	3.1536	0.0069	5 41 36.1	15.939	0.272	89.7	(18) 52 190	[5 5589]

[1] δ½ [2] δ¼ [3] δ0 [4] a½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.	
7551	9.2	$21^h\ 31^m\ 8^s.25$	$+3^s.1098$	$-0^s.0055$	−2° 37′ 41″.6	$+15^s.969$	$+0^s.267$	89.3	(15) 54 59	[2° 5578]	
7552	9.1	31 8.53	3.1096	0.0055	2 36 45.4	15.969	0.267	89.3	5 Beob.	[2 5579]	
7553	7.7	31 17.90	3.1505	0.0068	5 29 59.1	15.977	0.271	90.0	(18) 52 259	5 5592	Ko
7554	9.0	31 19.98	3.1365	0.0063	4 31 3.5	15.979	0.269	90.2	(19) (21) 263 265	4 5493	Fo
7555	8.9	31 29.50	3.1159	0.0057	3 3 43.8	15.987	0.267	90.2	(36) (38) 259 267	3 5256	Go
7556	8.5	21 31 42.22	+3.1466	−0.0067	−5 14 5.6	+15.999	+0.270	90.7 90.3	61 260[1]	5 5593	K
7557	9.3	31 51.62	3.0995	0.0052	1 54 23.2	16.007	0.265	89.8	6 Beob.	[2 5581]	F8
7558	9.3	31 52.21	3.1011	0.0052	2 1 2.6	16.007	0.265	90.5	5 Beob.	[2 5582]	G5
7559	8.9	32 30.59	3.1119	0.0056	2 47 51.6	16.041	0.265	89.2 89.3	(15) (32)[1] 56 59	2 5587	Go
7560	8.5	32 35.29	3.1525	0.0069	5 40 56.6	16.045	0.269	89.7	(18) 52 190	5 5597	
7561	9.0	21 32 53.50	+3.1290	−0.0061	−4 1 20.4	+16.061	+0.266	89.8	(19)[2] (21)[2] 190	4 5498	Ko
7562	8.7	33 0.98	3.1111	0.0055	2 44 40.4	16.068	0.265	90.2	(15) (32) 259 267	2 5588	G5
7563	9.0	33 8.13	3.0976	0.0051	1 46 55.7	16.074	0.263	89.4	5 Beob.	1 4183	
7564	8.9	33 21.43	3.1071	0.0054	2 27 54.9	16.085	0.264	89.7 89.8	5 Beob.	2 5590	K2
7565	8.3	33 26.38	3.1290	0.0061	4 2 1.1	16.090	0.265	90.0 90.2	(19) (21)[1] 190 267	4 5503	K2
7566	7.7	21 33 27.94	+3.1369	−0.0064	−4 36 0.5	+16.091	+0.266	90.7	61 260	4 5504	Ma
7567	9.0	33 36.54	3.1344	0.0063	4 25 31.3	16.099	0.266	90.0	(18) 52 259	4 5505	
7568	9.0	33 44.59	3.1139	0.0056	2 57 46.8	16.106	0.264	89.7	(15) (32) 56[1] 260	3 5268	Fo
7569	9.2	33 48.49	3.1009	0.0052	2 1 37.9	16.109	0.262	89.8	6 Beob.	2 5593	Go
7570	9.0	34 29.44	3.1047	0.0053	2 18 42.0	16.144	0.262	89.7 89.8	5 Beob.	2 5595	K2
7571	8.8	21 34 30.23	+3.1482	−0.0067	−5 26 28.1	+16.145	+0.265	89.7	(18) 52 190	5 5602	Go
7572	9.4	34 37.96	3.1182	0.0057	3 17 10.2	16.152	0.263	90.2 90.4	6 Beob.	[3 5270]	K2
7573	9.1	34 41.72	3.1538	0.0069	5 50 37.4	16.155	0.265	90.7	61 260	[6 5799]	
7574	8.7	34 52.67	3.1349	0.0063	4 29 40.6	16.165	0.264	90.2	(36) (38) 259 267	4 5509	F5
7575	9.3	35 9.74	3.1036	0.0053	2 14 20.3	16.179	0.260	89.4	5 Beob.	2 5597	
7576	8.6	21 35 15.77	+3.1067	−0.0054	−2 28 2.1	+16.184	+0.261	90.2	(19) (21) 259 265	2 5600	Go
7577	8.5	35 15.90	3.1405	0.0065	4 54 27.7	16.185	0.263	90.2	61 190	5 5608	K5
7578	7.8	35 20.49	3.1137	0.0056	2 58 12.8	16.189	0.261	89.5	(15) (32) 56 189	3 5272	K5
7579	8.8	35 28.96	3.1279	0.0061	4 0 26.6	16.196	0.262	90.3	(36) (38) 263 267	4 5512	G5
7580	9.0	35 44.31	3.1442	0.0066	5 11 11.9	16.209	0.263	90.0	(18) 52 260	5 5611	Ao
7581	9.5	21 35 55.31	+3.1003	−0.0052	−2 0 31.7	+16.218	+0.259	89.3	5 Beob.	[2 5601]	
7582	8.5	35 55.73	3.1447	0.0066	5 14 5.7	16.219	0.263	90.7	(18) 265 285	5 5613	Ko
7583	9.0	35 57.56	3.0961	0.0050	1 42 15.5	16.220	0.258	90.2	(36) (38) 263 265	1 4191	
7584	9.4	36 11.07	3.1464	0.0067	5 21 58.7	16.232	0.262	90.7	61 190 283	[5 5615]	
7585	9.0	36 16.27	3.0955	0.0050	1 39 47.7	16.236	0.258	90.2	(36) (38) 263 265	1 4192	K2
7586	8.5	21 36 28.26	+3.1054	−0.0053	−2 23 12.1	+16.247	+0.258	89.7	(15) (32) 56 260	2 5603	
7587	9.0	36 39.84	3.1024	0.0052	2 10 10.2	16.257	0.258	89.3	6 Beob.	2 5605	G5
7588	8.7	36 53.18	3.1083	0.0054	2 36 18.8	16.268	0.258	90.7	(26) 259 267	2 5609	F8
7589	8.5	37 5.53	3.1382	0.0064	4 47 45.8	16.278	0.260	89.7	(18) 52 189	5 5619	A3
7590	9.3	37 16.98	3.1063	0.0053	2 27 54.7	16.288	0.257	89.7	5 Beob.	[2 5610]	
7591	9.2	21 37 19.84	+3.1384	−0.0064	−4 48 47.5	+16.291	+0.260	94.7	3 Beob.	5 5620	
7592	9.1	37 20.77	3.1017	0.0052	2 7 39.7	16.291	0.257	89.4	5 Beob.	[2 5612]	F5
7593	9.1	37 22.86	3.1243	0.0059	3 47 26.3	16.293	0.259	90.7	(26) 263 265	[4 5517]	Ko
7594	8.3	37 28.58	3.1101	0.0055	2 45 3.2	16.298	0.257	90.2	(36) (38) 263 265	2 5613	G5
7595	8.8	37 35.45	3.1192	0.0058	3 24 54.1	16.304	0.258	90.7	61 190 285	3 5281	G5
7596	8.5	21 37 42.81	+3.1118	−0.0055	−2 52 48.7	+16.310	+0.257	90.3	(36) (38) 259 283	3 5283	F5
7597	8.9	37 46.78	3.1175	0.0055	3 17 53.9	16.314	0.257	90.7	61 190 285	3 5285	F8
7598	9.0	37 51.71	3.1044	0.0053	2 19 58.0	16.318	0.256	91.7	260 267	2 5615	Ko
7599	8.6	37 53.21	3.1065	0.0053	2 29 22.2	16.319	0.256	89.3	5 Beob.	2 5616	Ko
7600	9.0	38 9.59	3.1022	0.0052	2 10 37.3	16.333	0.255	89.3	6 Beob.	2 5619	Ko

[1] δ ½   [2] ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7601	9.1	21h 38m 56s.52	+3s.1500	−0s.0068	−5° 43′ 7″.6	+16″.372	+0″.258	89.7	(18) 52 189	[5° 5626]
7602	6.5	39 10.11	3.1427	0.0066	5 11 22.1	16.384	0.257	90.2	(26) 260	5 5628
7603	8.7	39 17.46	3.1531	0.0069	5 57 35.2	16.390	0.258	89.7	(36) (38) 52 259	6 5812
7604	8.9	39 23.17	3.1332	0.0062	4 29 22.8	16.395	0.256	89.5 89.6	5 Beob.	4 5526
7605	8.8	39 28.87	3.1492	0.0068	5 40 44.9	16.400	0.257	90.4	(18) 189 265	5 5630
7606	8.5	21 39 34.85	+3.1236	−0.0059	−3 47 17.4	+16.405	+0.255	89.5	(15) (32) 56 190	3 5294
7607	9.5	39 58.25	3.1086	0.0054	2 40 54.3	16.424	0.253	89.4	(26) 54 59	[2 5625]
7608	9.1	40 6.56	3.1526	0.0069	5 56 59.4	16.431	0.256	90.2	(18) (36) 267 285	[6 5816]
7609	8.0	40 17.32	3.1183	0.0057	3 24 35.5	16.440	0.253	89.3	6 Beob.	3 5296
7610	8.2	40 21.46	3.1382	0.0064	4 53 34.4	16.444	0.255	90.7	(38) 263 267	5 5632
7611	9.0	21 40 28.56	+3.0981	−0.0050	−1 53 55.2	+16.450	+0.251	90.7	61 285	2 5627
7612	8.5	41 9.76	3.1338	0.0063	4 35 17.9	16.484	0.253	91.7	263 265	4 5534
7613	8.9	41 19.09	3.1110	0.0055	2 52 56.4	16.492	0.251	91.7	263 267	3 5298
7614	6.8	41 21.12	3.1082	0.0054	2 40 30.0	16.493	0.251	91.7	263 265	2 5631
7615	8.8	41 24.91	3.1060	0.0053	2 30 35.4	16.496	0.250	91.8	283 285	2 5632
7616	9.0	21 41 54.86	+3.1475	−0.0068	−5 38 26.8	+16.521	+0.253	91.7	267 285	5 5637
7617	9.0	41 56.15	3.1042	0.0052	2 22 42.5	16.522	0.249	91.7	265 285	2 5635
7618	7.9	41 56.59	3.1091	0.0054	2 45 10.2	16.523	0.250	90.7	(26) 263 283	2 5636
7619	7.0	42 10.84	3.1398	0.0065	5 4 16.0	16.534	0.252	89.7	(18) (25) 52 254	5 5640
7620	8.8	42 30.72	3.1014	0.0051	2 10 39.1	16.551	0.248	89.3	6 Beob.	2 5637
7621	9.0	21 42 55.11	+3.1312	−0.0062	−4 26 27.9	+16.571	+0.250	89.7 89.9	(19) (21)[1] 260	4 5539
7622	9.6	43 20.29	3.1491	0.0068	5 48 33.1	16.591	0.251	91.0	(25) 259 267 285	[6 5835]
7623	8.7	43 38.94	3.1259	0.0060	4 3 24.6	16.607	0.248	90.2	61 190	4 5540
7624	10	43 47.59	3.0962	0.0049	1 48 1.3	16.614	0.246	90.7	71 260	[2 5640]
7625	6.8	43 47.64	3.1496	0.0068	5 52 2.4	16.614	0.250	89.7 90.0	5 Beob.	6 5837
7626	9.0	21 43 59.96	+3.1054	−0.0053	−2 30 17.3	+16.624	+0.246	90.2 90.3	5 Beob.	2 5642
7627	9.5	44 17.23	3.0956	0.0049	1 45 24.0	16.638	0.245	90.9	(16) 254 259 265	[1 4206]
7628	8.8	44 41.73	3.1044	0.0052	2 26 9.9	16.658	0.245	89.3	5 Beob.	2 5643
7629	9.0	44 54.84	3.1221	0.0058	3 48 5.1	16.668	0.246	90.4	(19) 190 259	4 5549
7630	8.7	44 55.48	3.1347	0.0063	4 45 51.9	16.669	0.247	90.7	61 260	4 5548
7631	8.8	21 45 13.02	+3.1298	−0.0061	−4 24 17.0	+16.683	+0.246	90.7	61 190 263	4 5551
7632	8.7	45 26.23	3.1390	0.0064	5 6 57.8	16.694	0.246	90.4	6 Beob.	5 5648
7633	9.0	46 9.54	3.0992	0.0050	2 3 22.8	16.729	0.242	89.4	9 Beob.	2 5645
7634	8.0	46 16.52	3.1076	0.0053	2 42 36.8	16.734	0.242	90.2	5 Beob.	2 5646
7635	9.3	46 19.91	3.1281	0.0060	4 18 16.6	16.737	0.244	91.2	190 254	[4 5558]
7636	9.1	21 46 45.87	+3.1063	−0.0052	−2 37 8.5	+16.758	+0.242	90.8	5 Beob.	[2 5648]
7637	8.3	46 55.24	3.0952	0.0048	1 45 14.3	16.765	0.240	90.7	61 260	1 4212
7638	9.4	47 3.53	3.1007	0.0050	2 11 1.3	16.772	0.241	89.3	7 Beob.	[2 5649]
7639	7.0	47 9.41	3.1193	0.0057	3 38 37.9	16.777	0.242	90.5	(26) 188 192[a] 265	3 5316
7640	9.0	47 14.01	3.1101	0.0054	2 55 38.2	16.781	0.241	90.7	61 190 263	3 5317
7641	8.5	21 47 22.19	+3.1474	−0.0068	−5 50 2.6	+16.787	+0.244	89.7	(18) (25) 52 259	6 5850
7642	8.8	47 27.51	3.1262	0.0060	4 11 5.9	16.791	0.242	90.2	(26) 260	4 5563
7643	7.2	47 32.11	3.1297	0.0061	4 27 44.7	16.795	0.242	90.7	(19) 259 267	4 5564
7644	9.0	47 38.47	3.1368	0.0064	5 0 58.1	16.800	0.243	90.2	(18) (25) 259 267	5 5653
7645	9.2	47 45.19	3.0989	0.0050	2 3 16.6	16.805	0.239	89.6	8 Beob.	[2 5650]
7646	6.0	21 48 56.99	+3.1328	−0.0062	−4 44 42.6	+16.862	+0.240		**Fund. Kat.**	4 5568
7647	7.3	48 57.02	3.1465	0.0067	5 49 36.4	16.862	0.241	96.1 95.0	3 Beob.	6 5859
7648	6.5	49 23.98	3.1203	0.0057	3 46 21.8	16.883	0.238	91.1	188 192[a] 283	3 5329
7649	7.9	49 24.31	3.1164	0.0056	3 28 10.3	16.884	0.238	90.5	(19) 188 192[a] 283	3 5331
7650	8.4	49 31.39	3.1451	0.0067	5 44 18.5	16.889	0.240	96.1 95.0	3 Beob.	5 5663

[1] δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7651	8.8	21h 49m 34.75s	+3.1004	−0.0050	−2° 12' 11.6"	+16.892	+0.236	89.6	54 59	2° 5657
7652	8.5	49 45.98	3.1318	0.0062	4 41 32.8	16.901	0.238	89.5	5 Beob.	4 5570
7653	9.2	49 49.75	3.1066	0.0052	2 41 40.6	16.904	0.236	89.6	54 59	[2 5659]
7654	9.0	50 9.03	3.1169	0.0056	3 31 10.7	16.919	0.237	90.6	(19) 188 192* 292	3 5333
7655	8.8	50 18.37	3.1279	0.0060	4 24 22.0	16.926	0.237	90.2	61 190	4 5574
7656	8.7	21 50 21.98	+3.1167	−0.0056	−3 30 34.2	+16.929	+0.236	90.6	(19) 188 192* 292	3 5335
7657	9.0	50 23.21	3.1316	0.0062	4 41 48.4	16.930	0.237	90.0	(26) 61 260	4 5575
7658	8.8	50 31.70	3.1134	0.0055	3 15 0.2	16.937	0.236	91.7	259 267	3 5337
7659	8.2	50 32.19	3.1116	0.0054	3 6 29.5	16.937	0.236	90.2	(15) (32) 259 265	3 5338
7660	9.2	50 51.31	3.1292	0.0061	4 31 20.0	16.952	0.236	90.0	5 Beob.	[4 5578]
7661	8.0	21 51 7.11	+3.1380	−0.0064	−5 13 50.9	+16.964	+0.237	90.2	5 Beob.	5 5666
7662	9.1	51 8.58	3.1358	0.0063	5 3 26.4	16.965	0.236	89.0	(18) (25) 52	[5 5667]
7663	8.8	51 9.04	3.1467	0.0068	5 55 35.1	16.966	0.237	89.7	(19) (21) 260	6 5870
7664	9.3	51 49.62	3.1112	0.0054	3 6 8.8	16.997	0.233	90.2	5 Beob.	[3 5341]
7665	8.7	52 5.14	3.1268	0.0060	4 22 3.8	17.009	0.234	89.6 89.9	7 Beob.	4 5581
7666	9.0	21 52 11.28	+3.1440	−0.0066	−5 45 17.7	+17.014	+0.235	89.9	8 Beob.	5 5670
7667	9.5	52 25.89	3.1136	0.0055	3 18 52.5	17.025	0.233	91.4	188 254 265	[3 5343]
7668	9.0	52 35.59	3.1197	0.0057	3 48 39.3	17.033	0.233	90.7	61 190 263	4 5583
7669	8.5	52 46.24	3.1428	0.0066	5 40 38.1	17.041	0.234	89.7	(18) (25) 52 260	5 5672
7670	8.7	52 46.76	3.1246	0.0059	4 12 54.3	17.041	0.233	89.4 89.5	5 Beob.	4 5584
7671	9.0	21 52 52.72	+3.0978	−0.0048	−2 2 11.7	+17.046	+0.231	89.3	5 Beob.	2 5667
7672	7.8[1]	52 55.78	3.1215	0.0058	3 57 59.9	17.048	0.232	90.2	(19) (21) 259 267	4 5585
7673	6.5	52 58.79	3.1454	0.0067	5 53 55.8	17.050	0.234	91.7	259 267	6 5878
7674	8.4	53 7.90	3.1124	0.0054	3 13 47.5	17.057	0.231	90.7	61 190 265	3 5351
7675	8.4[2]	53 9.63	3.1010	0.0050	2 18 19.2	17.059	0.230	89.4	(26) 54 59	2 5668
7676	6.9	21 53 42.09	+3.1320	−0.0062	−4 50 35.2	+17.084	+0.232	89.8	6 Beob.	5 5674
7677	9.0	53 45.17	3.1412	0.0065	5 35 10.2	17.086	0.232	89.9 89.8	7 Beob.	5 5675
7678	8.1	54 12.92	3.0954	0.0047	1 51 32.2	17.107	0.228	89.7	6 Beob.	2 5673
7679	8.7	54 16.42	3.1348	0.0063	5 5 10.3	17.110	0.231	90.1	5 Beob.	5 5677
7680	8.7	54 35.41	3.1149	0.0055	3 28 20.4	17.124	0.229	89.6 89.8	7 Beob.	3 5353
7681	8.9	21 55 22.42	+3.1362	−0.0063	−5 14 52.2	+17.160	+0.229	90.0	6 Beob.	5 5678
7682	9.1	55 25.30	3.1116	0.0053	3 13 13.5	17.162	0.227	89.3	5 Beob.	[3 5357]
7683	9.1	55 35.04	3.1327	0.0062	4 57 59.3	17.169	0.229	89.8	5 Beob.	[5 5680]
7684	9.1	55 46.30	3.1328	0.0062	4 58 54.5	17.178	0.228	89.8	(18) (25) 188 192*	5 5681
7685	9.0	56 0.13	3.1402	0.0065	5 35 56.4	17.188	0.228	90.9	(26) 254 259 267	5 5682
7686	9.7	21 56 0.57	+3.1093	−0.0052	−3 2 31.1	+17.188	+0.226	89.9	7 Beob.	[3 5359]
7687	8.8	56 11.52	3.1171	0.0056	3 41 37.5	17.197	0.226	91.0	61 190 263 283	3 5360
7688	8.8	56 22.83	3.1081	0.0052	2 56 51.8	17.205	0.225	89.7	6 Beob.	3 5361
7689	9.0	56 24.33	3.1369	0.0064	5 20 25.2	17.206	0.228	90.1	9 Beob.	5 5686
7690	8.6	56 36.80	3.1216	0.0057	4 4 47.4	17.216	0.226	90.7	61 190 263	4 5597
7691	8.9	21 57 24.15	+3.1182	−0.0056	−3 49 1.8	+17.251	+0.224	89.3	6 Beob.	4 5602
7692	8.3	57 38.39	3.1079	0.0052	2 57 28.9	17.261	0.223	89.7	6 Beob.	3 5363
7693	9.2	57 38.51	3.1398	0.0065	5 37 42.1	17.262	0.226	90.0	8 Beob.	[5 5690]
7694	8.9	57 40.86	3.1197	0.0056	3 57 16.2	17.263	0.224	90.8	188 192*	4 5603
7695	5.3	58 8.48	3.1040	0.0050	2 38 17.7	17.284	0.222	90.1	54 59 61 259	2 5681
7696	8.5	21 58 21.30	+3.1147	−0.0054	−3 32 58.1	+17.293	+0.223	89.3	6 Beob.	3 5365
7697	8.8	58 38.87	3.1115	0.0053	3 17 13.8	17.306	0.222	89.9	5 Beob.	3 5367
7698	8.7	58 40.94	3.1375	0.0064	5 29 5.4	17.308	0.224	90.0	8.9 Beob.	5 5692
7699	9.0	58 58.73	3.1011	0.0049	2 24 48.5	17.321	0.220	90.8	5 Beob.	2 5686
7700	8.9	59 10.04	3.1031	0.0050	2 34 56.8	17.329	0.220	90.2	5 Beob.	2 5687

[1] Dupl. 1s med.   [2] Dupl. 2s med.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7701	8.0	21h 59m 21s.75	+3s.1353	−0s.0063	−5° 19′ 29″.0	+17″.338	+0″.222	90.0	5 Beob.	5° 5697
7702	8.8	59 51.78	3.1120	0.0053	3 21 42.8	17.360	0.220	89.3	6 Beob.	3 5371
7703	8.3	59 53.88	3.1159	0.0055	3 41 43.0	17.361	0.220	90.2	(19) (21) 254 259	3 5372
7704	8.8	22 0 4.73	3.0920	0.0045	1 39 14.2	17.369	0.218	90.5	(26) 188 192a 267	1 4244
7705	8.2	0 10.35	3.0950	0.0046	1 54 34.4	17.373	0.218	90.7 90.3	61 263[1]	2 5689
7706	8.8	22 0 42.82	+3.0972	−0.0047	−2 6 35.1	+17.397	+0.217	91.2	188 192a 292	2 5691
7707	7.5	0 50.49	3.1407	0.0065	5 50 33.3	17.402	0.220	91.7	259 267	6 5908
7708	9.0	0 50.92	3.1023	0.0049	2 32 54.4	17.403	0.217	91.7	254 267	2 5692
7709	8.2	0 51.25	3.1144	0.0054	3 35 30.6	17.403	0.218	91.7	254 267	3 5375
7710	8.8	1 11.18	3.1071	0.0051	2 58 1.9	17.417	0.217	91.0 90.7	61[2] 259	3 5376
7711	8.3	22 1 20.47	+3.0933	−0.0045	−1 46 48.5	+17.424	+0.216	91.7	254 259 265	1 4248
7712	9.0	1 35.42	3.1146	0.0054	3 37 51.3	17.435	0.217	90.0 90.7	61[2] 260	3 5378
7713	9.0	2 12.51	3.1253	0.0058	4 34 34.8	17.461	0.217	90.2	5 Beob.	4 5615
7714	9.0	2 15.32	3.1260	0.0059	4 38 7.5	17.463	0.217	90.0	(19) (21) 188 265	4 5616
7715	9.0	2 19.25	3.1392	0.0064	5 46 53.3	17.466	0.217	89.9	5 Beob.	5 5711
7716	9.0	22 2 31.10	+3.1053	−0.0050	−2 50 34.7	+17.475	+0.215	90.1 90.5	5 Beob.	3 5382
7717	7.5	3 0.15	3.1186	0.0055	4 1 13.1	17.496	0.215	90.4	(19) 190 267	4 5617
7718	8.9	3 13.43	3.1292	0.0060	4 57 0.4	17.505	0.215	89.8	7.8 Beob.	5 5713
7719	9.0	3 43.20	3.1008	0.0048	2 28 38.8	17.526	0.212	89.7	5 Beob.	2 5701
7720	9.0	3 47.28	3.1200	0.0056	4 9 51.5	17.529	0.213	90.2	(21) 260	4 5618
7721	8.7	22 4 25.77	+3.1010	−0.0048	−2 30 40.9	+17.556	+0.211	89.2	(15) (32) 54 59	2 5705
7722	9.2	4 31.75	3.1380	0.0064	5 46 48.6	17.560	0.213	89.6 89.7	7.8 Beob.	[6 5921]
7723	8.5	4 46.68	3.1248	0.0058	4 37 35.5	17.571	0.212	89.7	(19) (21) 177 180	4 5620
7724	8.2	4 58.79	3.1337	0.0062	5 25 13.0	17.579	0.212	91.6	254 265	5 5720
7725	6.8	5 9.10	3.1220	0.0057	4 23 3.0	17.587	0.211	91.6	254 265	4 5623
7726	8.6	22 5 13.27	+3.1368	−0.0063	−5 42 7.5	+17.589	+0.212	89.7	(18) (25) 52 260	5 5721
7727	6.0	5 20.86	3.1261	0.0058	4 45 30.9	17.595	0.211	91.7	260 265	4 5625
7728	8.7	5 33.49	3.1020	0.0048	2 37 9.6	17.604	0.209	89.2	(15) (32) 54 59	2 5708
7729	9.0	5 40.79	3.1202	0.0056	4 14 32.8	17.609	0.210	89.6 89.7	6.7 Beob.	4 5626
7730	9.3	5 48.93	3.0917	0.0044	1 42 15.5	17.614	0.208	91.0	177 180 254	[1 4259]
7731	8.7	22 6 26.33	+3.1108	−0.0052	−3 25 30.9	+17.640	+0.208	89.9 89.7	(15)[2] (32) 177 180	3 5394
7732	9.1	6 36.09	3.1354	0.0063	5 38 6.1	17.647	0.210	90.1 90.2	5.4 Beob.	5 5726
7733	8.3	6 39.10	3.0920	0.0043	1 44 16.0	17.649	0.206	90.2	5 Beob.	1 4261
7734	8.9	6 40.66	3.1329	0.0061	5 24 57.6	17.650	0.209	89.6 89.7	6.7 Beob.	5 5727
7735	9.3	7 15.04	3.1035	0.0048	2 47 40.5	17.674	0.206	89.7 90.0	5 Beob.	[3 5399]
7736	6.7	22 7 31.46	+3.1302	−0.0060	−5 12 49.4	+17.685	+0.208	89.7 89.8	7.8 Beob.	5 5732
7737	9.0	7 54.12	3.0918	0.0043	1 44 32.1	17.701	0.204	90.9	5 Beob.	1 4264
7738	8.8	8 0.41	3.1206	0.0056	4 21 59.7	17.705	0.206	91.2	190 267	4 5635
7739	9.0	8 8.19	3.1081	0.0050	3 13 40.1	17.711	0.205	91.7	260 267	3 5403
7740	7.4[3]	8 15.06	3.0962	0.0045	2 8 45.8	17.715	0.204	89.7	5 Beob.	2 5714
7741	9.0	22 8 24.07	+3.1281	−0.0059	−5 3 18.9	+17.721	+0.206	90.2	(18) (25) 260 267	5 5735
7742	8.5	8 30.40	3.1194	0.0055	4 16 10.8	17.726	0.205	89.7 89.9	(19)[1] (21) 177 180	4 5637
7743	7.3[4]	8 39.10	3.1267	0.0059	4 56 47.3	17.732	0.205	91.1	188 192a 265	5 5738
7744	8.6	8 41.43	3.1289	0.0060	5 8 23.4	17.733	0.205	89.6 89.7	6.7 Beob.	5 5739
7745	9.1	9 7.18	3.0936	0.0044	1 55 25.2	17.751	0.202	90.0	6 Beob.	[2 5717]
7746	9.2	22 9 24.63	+3.1053	−0.0049	−3 0 40.0	+17.763	+0.203	90.5	5 Beob.	[3 5408]
7747	9.0	9 34.20	3.0919	0.0044	1 46 15.6	17.769	0.201	91.1	188 192a 265	1 4270
7748	8.5	9 42.55	3.1208	0.0056	4 26 42.0	17.775	0.203	89.6 89.7	6.7 Beob.	4 5640
7749	8.0	9 53.38	3.1003	0.0046	2 33 21.4	17.782	0.201	89.7	6 Beob.	2 5720
7750	9.0	10 36.62	3.1042	0.0048	2 56 0.4	17.811	0.200	90.5 90.4	5 Beob.	3 5412

[1] $\delta \frac{1}{2}$ [2] $a \frac{1}{2}$ [3] rötlich-rot. [4] rötlich.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7751	8.3	22^h 10^m $46^s.84$	$+3^s.1075$	$-0^s.0050$	$-3°$ 14' 32".8	+17".818	+0".200	90.1	5 Beob.	3° 5413
7752	9.0	11 5.81	3.1202	0.0055	4 26 16.3	17.830	0.200	89.6 89.7	6.7 Beob.	4 5645
7753	8.8	11 22.60	3.1087	0.0050	3 22 38.5	17.842	0.199	91.1	188 192[2] 265	3 5415
7754	6.3	11 24.63	3.0950	0.0044	2 5 40.8	17.843	0.198	90.2	5 Beob.	2 5726
7755	5.5	11 53.32	3.1354	0.0062	5 53 11.6	17.862	0.200	90.7	177 180	6 5960
7756	9.0	22 12 3.63	+3.1257	−0.0058	−4 59 18.2	+17.869	+0.199	89.6 89.7	6.7 Beob.	5 5747
7757	8.5	12 3.81	3.1099	0.0050	3 30 22.9	17.869	0.198	91.3	190 292	3 5420
7758	9.3	12 21.16	3.1005	0.0046	2 37 31.8	17.881	0.197	90.2	(15) (32) 259 265	[2 5727]
7759	8.7	12 32.82	3.1133	0.0052	3 50 35.0	17.888	0.197	91.2	188 192[2] 292	4 5647
7760	8.6	12 37.71	3.1229	0.0056	4 45 0.4	17.891	0.198	91.7	265 285	4 5648
7761	9.0	22 12 39.66	+3.1025	−0.0047	−2 49 17.0	+17.893	+0.197	90.7	177 180	3 5422
7762	9.0	12 52.31	3.1114	0.0051	3 40 20.4	17.901	0.197	96.0	3 Beob.	3 5423
7763	8.5	12 59.06	3.0897	0.0041	1 37 10.1	17.905	0.195	91.4	192[2] 259 283	1 4280
7764	9.0	13 3.94	3.1012	0.0046	2 42 45.7	17.909	0.196	90.2	(15) (32) 259 267	2 5728
7765	8.9	13 20.14	3.1326	0.0061	5 42 7.7	17.919	0.197	89.8	6.7 Beob.	5 5753
7766	7.8	22 13 20.39	+3.0897	−0.0041	−1 37 27.7	+17.919	+0.194	91.2	188 192[2] 292	1 4282
7767	9.2	13 24.83	3.0988	0.0045	2 29 14.4	17.922	0.195	90.2	(19) (21) 254 265	[2 5730]
7768	9.0	14 5.63	3.0925	0.0042	1 54 20.4	17.949	0.193	90.2	(15) (32) 259 267	2 5732
7769	8.5	14 32.29	3.0966	0.0044	2 18 25.7	17.966	0.193	89.7	6 Beob.	2 5733
7770	7.8	14 37.46	3.1201	0.0055	4 34 2.9	17.970	0.194	91.1	188 192[2] 284	4 5655
7771	9.0	22 14 48.85	+3.1257	−0.0058	−5 6 57.6	+17.977	+0.194	89.8	7.8 Beob.	5 5759
7772	9.0	15 4.09	3.0994	0.0045	2 34 51.4	17.987	0.192	89.2	(15) (32) 54 59	2 5736
7773	8.9	15 14.67	3.1241	0.0057	4 58 29.0	17.994	0.193	91.2	190 265	5 5762
7774	8.5	15 20.64	3.1208	0.0055	4 39 48.4	17.997	0.193	91.7	254 267	4 5656
7775	9.0	15 27.75	3.1141	0.0052	4 1 15.0	18.002	0.192	90.2	(19) (21) 259 265	4 5658
7776	9.1	22 15 47.73	+3.1145	−0.0052	−4 4 30.3	+18.015	+0.192	90.7	(19) 259[1] 265	[4 5661]
7777	9.1	15 51.53	3.1010	0.0046	2 45 42.0	18.017	0.191	90.3	54 59 285	[2 5737]
7778	9.0	15 53.94	3.1304	0.0060	5 37 7.8	18.019	0.193	91.1	188 192[2] 284	5 5768
7779	8.7	16 19.52	3.0994	0.0045	2 36 45.5	18.035	0.190	98.2	2 Beob.	2 5740
7780	**3.4**	**16 29.46**	**3.0920**	**0.0041**	**1 53 28.9**	**18.041**	**0.189**		**Fund. Kat.**	**2 5741**
7781	8.9	22 16 50.07	+3.0974	−0.0044	−2 25 42.0	+18.055	+0.189	89.6	54 59	2 5744
7782	8.3	16 51.16	3.1165	0.0053	4 18 21.8	18.055	0.190	90.2	(19) (21) 254 283	4 5662
7783	8.8	16 51.48	3.1010	0.0045	2 46 55.2	18.055	0.189	91.2	188 192[2] 292	3 5433
7784	9.0	17 13.20	3.1026	0.0046	2 57 16.4	18.069	0.188	91.7	254 267	3 5435
7785	8.9	17 14.82	3.1228	0.0056	4 56 14.3	18.070	0.190	91.7	259 265	5 5773
7786	8.9	22 17 20.03	+3.1247	−0.0057	−5 7 32.8	+18.074	+0.190	90.0 90.2	(18) (25) 254[2] 283	5 5774
7787	8.0	17 26.25	3.1156	0.0052	4 14 28.3	18.077	0.189	91.2	188 265	4 5663
7788	9.2	17 41.76	3.0980	0.0044	2 30 23.4	18.087	0.187	89.6	54 59	[2 5748]
7789	9.0	17 48.88	3.1038	0.0047	3 5 18.3	18.092	0.187	90.2	(19) (21) 259 267	3 5437
7790	8.8	18 16.01	3.1228	0.0056	4 59 25.0	18.109	0.188	90.0	5 Beob.	5 5777
7791	7.7	22 18 23.27	+3.1008	−0.0045	−2 48 22.8	+18.113	+0.186	90.1 90.7	(32)[3] 177 180	3 5438
7792	9.0	18 23.67	3.1164	0.0053	4 21 4.0	18.114	0.187	91.2	188 192[2] 292	4 5667
7793	8.3	18 42.04	3.1053	0.0047	3 15 48.8	18.125	0.186	90.2	(19) (21) 254 267	3 5440
7794	5.7	18 54.35	3.1261	0.0057	5 20 34.8	18.133	0.187	91.6	254 265	5 5780
7795	7.7	19 0.74	3.0983	0.0044	2 34 4.7	18.137	0.185	89.6	54 59	2 5750
7796	9.0	22 19 1.29	+3.1177	−0.0053	−4 30 39.6	+18.137	+0.186	91.7	265 285	4 5669
7797	8.5	19 8.89	3.0922	0.0041	1 57 19.9	18.142	0.184	90.2	(19) (21) 259 267	2 5751
7798	7.5	19 26.26	3.0895	0.0039	1 41 40.4	18.152	0.184	89.7	(15) (32) 177 180	1 4290
7799	9.0	19 29.36	3.1297	0.0059	5 44 4.2	18.154	0.186	89.4	5 Beob.	5 5784
7800	8.0	20 54.09	3.1285	0.0059	5 41 9.7	18.207	0.183	89.6	6 Beob.	5 5790

[1] Z. 259 dupl. [2] $\alpha \frac{1}{2}$ [3] δ o

Nr.	Gr.	A. R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
7801	7.2	$22^h\ 21^m\ 4^s.42$	$+3^s.1049$	$-0^s.0046$	$-3°\ 17'\ 41''.8$	$+18''.213$	$+0''.182$	89.7	(15) (32) 177 180	3° 5443
7802	9.2	21 4.86	3.1285	0.0059	5 41 28.3	18.213	0.183	89.9	6 Beob.	5 5791
7803	9.0	21 52.80	3.1094	0.0049	3 46 48.7	18.242	0.180	91.1	177 180 285	4 5679
7804	8.4	21 56.61	3.0978	0.0043	2 35 26.4	18.245	0.180	89.2	(15) (32) 54 59	2 5760
7805	7.3	21 57.51	3.0903	0.0039	1 49 6.3	18.245	0.179	91.1	188 192[a] 265	2 5761
7806	9.0	22 21 58.00	+3.1110	−0.0049	−3 56 49.2	+18.245	+0.180	91.7	256 259 267	4 5680
7807	9.1	22 0.36	3.0948	0.0041	2 16 57.3	18.247	0.179	90.2	(19) 254	2 5763
7808		22 0.77	3.0948	0.0041	2 17 3.9	18.247	0.179	90.2	5 Beob.	
7809	9.0	22 17.15	3.0935	0.0040	2 9 1.0	18.257	0.179	89.9 90.2	5 Beob.	2 5765
7810	8.6	22 41.03	3.1192	0.0054	4 49 34.6	18.271	0.179	90.1	8 Beob.	5 5796
7811	8.5	22 23 37.59	+3.1007	−0.0044	−2 55 49.9	+18.305	+0.177	89.7	6 Beob.	3 5450
7812	9.0	23 39.96	3.1268	0.0058	5 39 50.9	18.307	0.178	90.2	(18) (25) 256 267	5 5800
7813	9.0	24 3.21	3.1203	0.0054	5 0 18.6	18.320	0.177	90.4	5 Beob.	5 5801
7814	8.3	24 10.39	3.1082	0.0048	3 44 22.0	18.325	0.176	90.2	5 Beob.	3 5452
7815	8.8	24 12.25	3.1173	0.0052	4 41 57.6	18.326	0.177	91.7	254 267	4 5683
7816	8.8	22 24 24.71	+3.0905	−0.0038	−1 52 58.9	+18.333	+0.175	89.7	(15) (32) 177 180	2 5767
7817	9.1	24 48.24	3.1257	0.0057	5 36 29.7	18.347	0.176	90.9	(18) 254 256 267	[5 5804]
7818	7.8	25 15.17	3.1228	0.0055	5 19 50.4	18.363	0.175	89.6	6 Beob.	5 5806
7819	9.4	25 27.05	3.0915	0.0039	2 0 31.1	18.370	0.173	89.2	(15) (32) 54 59	[2 5769]
7820	6.3	26 8.27	3.1046	0.0045	3 25 24.8	18.394	0.172	90.0	3 78 166[a] 174	3 5460
7821	9.1	22 26 40.48	+3.1167	−0.0052	−4 44 43.8	+18.412	+0.172	91.1	188 192[a] 267	[4 5690]
7822	8.3	27 1.38	3.1149	0.0051	4 34 34.7	18.424	0.171	90.7	62 256	4 5694
7823	9.3	27 8.54	3.0932	0.0039	2 13 23.3	18.429	0.170	89.7	5 Beob.	[2 5774]
7824	8.5	27 23.21	3.0913	0.0038	2 1 47.4	18.437	0.169	90.2	54 59 177 180	2 5776
7825	8.2	27 24.40	3.1251	0.0056	5 41 15.4	18.438	0.171	89.6	7 Beob.	5 5810
7826	9.0	22 27 27.27	+3.1153	−0.0051	−4 38 21.1	+18.439	+0.171	90.7	62 256	4 5695
7827	9.1	27 38.35	3.1044	0.0045	3 27 27.7	18.446	0.170	90.7	177 180	[3 5464]
7828	9.1	27 52.01	3.1154	0.0051	4 40 11.0	18.454	0.170	91.1	188 192[a] 267	4 5696
7829	9.0	28 14.65	3.0920	0.0038	2 7 28.6	18.466	0.168	89.2	(15) (32) 54 59	2 5778
7830	8.5	28 35.78	3.1180	0.0052	4 58 51.9	18.478	0.169	89.7	5 Beob.	5 5814
7831	7.9	22 28 42.38	+3.1217	−0.0055	−5 24 3.5	+18.482	+0.169	89.6	6 Beob.	5 5815
7832	8.8[1]	28 53.54	3.0935	0.0039	2 18 3.5	18.488	0.167	91.7	254 267	2 5780
7833	6.3	28 53.59	3.0916	0.0038	2 5 21.7	18.488	0.167	89.2	(15) (32) 54 59	2 5781
7834	9.0	29 10.55	3.1130	0.0050	4 27 55.3	18.498	0.167	90.7	62 256	4 5703
7835	7.8	29 27.88	3.1071	0.0046	3 49 22.5	18.508	0.166	91.2	188 192[a] 292	4 5705
7836	9.0	22 29 28.93	+3.0899	−0.0037	−1 55 6.6	+18.508	+0.165	91.7	254 284	2 5782
7837	8.3	29 29.23	3.0906	0.0037	1 59 38.9	18.509	0.165	91.7	256 283	2 5783
7838	8.5	29 30.89	3.1097	0.0048	4 6 54.7	18.509	0.166	91.7	254 284	4 5706
7839	9.1	29 34.84	3.1035	0.0044	3 25 29.8	18.512	0.166	91.7	256 292	[3 5468]
7840	8.9	29 42.62	3.1227	0.0055	5 33 42.6	18.516	0.167	91.7	2 Beob.	5 5817
7841	8.2	22 29 57.05	+3.0910	−0.0037	−2 2 30.3	+18.524	+0.165	91.7	254 283	2 5785
7842	8.5	30 2.98	3.1126	0.0049	4 27 53.8	18.527	0.166	90.7	62 256	4 5707
7843	8.3	30 10.77	3.0975	0.0041	2 46 25.7	18.532	0.165	91.2	188 192[a] 292	3 5472
7844	8.4	30 22.28	3.1035	0.0044	3 27 30.1	18.538	0.165	91.8	2 Beob.	3 5473
7845	8.7	31 4.49	3.1129	0.0049	4 32 14.5	18.561	0.164	90.7	62 256	4 5710
7846	8.7	22 31 6.03	+3.1229	−0.0055	−5 40 18.6	+18.562	+0.164	91.2	188 192[a] 292	5 5820
7847	9.4	31 58.15	3.1216	0.0054	5 34 35.6	18.591	0.163	90.4	3 174 254	[5 5824]
7848	9.2	31 59.40	3.1244	0.0056	5 53 46.1	18.592	0.163	91.7	254 283	6 6033
7849	8.7[2]	32 4.70	3.0916	0.0037	2 9 33.8	18.595	0.161	89.7	5 Beob.	2 5793
7850	9.0	32 24.42	3.0880	0.0035	1 45 35.3	18.605	0.160	91.3	188 192[a] 256 292	1 4329

[1] Dupl. 3^s med. [2] rötlich

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7851	5.3	22^h 32^m $34^s.74$	$+3^s.1140$	$-0^s.0050$	−4° 44′ 37″.4	+18″.611	+0″.161	90.4	62 177 180	4° 5716
7852	9.3	32 36.27	3.0892	0.0035	1 54 8.1	18.612	0.160	89.6	54 59	[2 5794]
7853	8.3	32 56.96	3.1023	0.0043	3 25 1.5	18.623	0.160	89.7	5 Beob.	3 5481
7854	9.0	33 8.72	3.1093	0.0047	4 13 32.6	18.629	0.160	90.2	5 Beob.	4 5717
7855	9.0	33 24.83	3.1104	0.0047	4 22 11.1	18.638	0.159	90.7	62 256	4 5719
7856	8.4	22 33 46.43	+3.1032	−0.0043	−3 32 44.7	+18.650	+0.158	89.7	5 Beob.	3 5482
7857	8.5	34 4.91	3.1080	0.0046	4 7 37.8	18.659	0.158	90.4	62 172 182	4 5721
7858	9.2	34 23.08	3.1191	0.0053	5 25 36.1	18.669	0.158	91.7	254 292	[5 5834]
7859	9.1	34 28.82	3.1071	0.0045	4 2 28.1	18.672	0.157	90.7	62 254	4 5723
7860	9.8	34 54.26	3.0961	0.0039	2 45 40.5	18.686	0.156	91.8	2 Beob.	[2 5806]
7861	9.2	22 35 4.60	+3.1173	−0.0052	−5 16 0.1	+18.691	+0.157	91.1	188 192^a 284	5 5835
7862	9.4	35 20.15	3.1093	0.0047	4 19 55.5	18.699	0.156	90.3	3 78 174 254	[4 5725]
7863	6.7	35 37.55	3.1070	0.0045	4 4 28.9	18.708	0.155	90.7	62 256	4 5728
7864	9.1	36 2.71	3.0892	0.0034	1 58 25.9	18.722	0.153	89.7	5 Beob.	[2 5812]
7865	9.5	36 16.97	3.0919	0.0036	2 18 7.8	18.729	0.153	90.2	54 59 177 180	[2 5813]
7866	9.5	22 36 20.18	+3.0890	−0.0034	−1 57 15.7	+18.731	+0.153	89.7	(13) (23) 66 254	[2 5814]
7867	(8.5)[1]	36 28.51	3.0983	0.0040	3 4 23.2	18.735	0.153	90.3	3 78 174 256	3 5487
7868	9.4	36 53.56	3.1198	0.0053	5 40 6.7	18.748	0.153	91.1	188 192^a 284	5 5842
7869	6.7	36 53.87	3.1194	0.0053	5 37 24.3	18.748	0.153	90.7	177 180	5 5843
7870	7.7	36 56.05	3.1058	0.0044	3 59 45.8	18.749	0.153	90.7	62 254	4 5733
7871	9.0	22 37 2.45	+3.1105	−0.0047	−4 33 45.6	+18.753	+0.153	90.7	172 182	4 5734
7872	9.1	37 4.91	3.0950	0.0038	2 41 30.5	18.754	0.152	91.1	188 192^a 283	2 5815
7873	8.9	37 27.02	3.0938	0.0037	2 34 4.4	18.765	0.151	89.3	5 Beob.	2 5816
7874	9.1	37 40.17	3.1040	0.0043	3 48 41.4	18.772	0.151	90.7	62 256	4 5738
7875	9.2	37 41.63	3.1188	0.0052	5 36 26.5	18.773	0.152	91.1	188 192^a 283	5 5846
7876	8.3	22 37 42.72	+3.1156	−0.0050	−5 13 5.1	+18.773	+0.152	90.3	3 78 174 256	5 5847
7877	8.7	37 46.01	3.0972	0.0039	2 59 10.4	18.775	0.151	89.6	54 59	3 5490
7878	8.2	37 47.84	3.0990	0.0040	3 12 23.1	18.776	0.151	90.7	177 180	3 5491
7879	9.1	37 48.69	3.1051	0.0044	3 57 5.1	18.776	0.151	89.7	(13) (23) 66 254	[4 5740]
7880	9.3	38 3.38	3.1051	0.0043	3 57 22.2	18.784	0.150	89.7	(13) (23) 66 256	[4 5743]
7881	8.8	22 38 29.61	+3.1194	−0.0053	−5 43 46.6	+18.797	+0.150	91.0	172 182 256	5 5848
7882	9.0	38 54.45	3.0974	0.0039	3 3 22.0	18.810	0.148	89.7	6 Beob.	3 5496
7883	9.4	39 19.01	3.1018	0.0041	3 36 20.0	18.822	0.148	90.7	62 254	[3 5499]
7884	8.5	39 43.11	3.1164	0.0051	5 26 26.6	18.834	0.148	90.3	3 78 174 254	5 5855
7885	} 8.5	39 54.71	3.0981	0.0039	3 10 46.6	18.840	0.147	89.5	(13) (23) 66 182	} 3 5501
7886		22 39 55.13	+3.0982	−0.0039	−3 11 6.2	+18.840	+0.147	89.9	5 Beob.	
7887	8.9	40 9.19	3.0948	0.0037	2 46 26.2	18.847	0.146	90.1	5 Beob.	3 5503
7888	8.2	40 11.46	3.0863	0.0031	1 42 12.4	18.849	0.145	90.8	177 180 188 192^a	1 4345
7889	7.5	42 2.35	3.0979	0.0038	3 14 8.3	18.903	0.143	89.8	6 Beob.	3 5505
7890	7.0	42 20.83	3.0907	0.0033	2 18 56.2	18.912	0.142	90.1	5 Beob.	2 5826
7891	9.0	22 42 23.37	+3.1103	−0.0046	−4 50 27.5	+18.913	+0.143	90.4	62 177 180	5 5863
7892	9.0	42 34.84	3.0987	0.0039	3 21 9.9	18.919	0.142	89.7	5 Beob.	3 5507
7893	7.0[2]	42 40.74	3.1095	0.0046	4 44 50.3	18.922	0.142	90.7	177 180	4 5757
7894	9.0	42 42.93	3.0991	0.0039	3 24 46.6	18.923	0.141	89.7	(13) (23) 66 254	3 5509
7895	8.9	42 43.28	3.1095	0.0046	4 45 23.0	18.923	0.142	91.7	256 283	4 5759
7896	9.0	22 42 45.55	+3.0967	−0.0037	−3 6 4.4	+18.924	+0.141	90.8	188 192^a	3 5510
7897	8.7	43 16.41	3.1175	0.0051	5 49 5.5	18.939	0.141	90.7	177 180	6 6075
7898	8.2	43 19.64	3.1119	0.0047	5 6 12.5	18.940	0.141	90.2	5 Beob.	5 5866
7899	9.5	43 27.43	3.0864	0.0030	1 47 5.5	18.944	0.139	90.7	54 59 256 284	2 5827
7900	9.2	43 30.55	3.0932	0.0035	2 40 43.9	18.946	0.140	91.7	254 283	[2 5828]

[1] Dupl. 2″, Com. schwach 9^m; nur Z. 174 als dupl.? notiert

[2] Dupl. *a* praec. δ med.; maj.: $40^s.87$ 49″.2 89.7 Z. 62

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7901	8.5	22^h 43^m $50^s.42$	$+3^s.1026$	$-0^s.0041$	−3° 54′ 56″.7	+18″.955	+0″.139	89.7	5 Beob.	4° 5764
7902	8.9	44 34.82	3.0945	0.0035	2 53 16.2	18.976	0.138	90.6	54 254	3 5515
7903	9.0	44 41.84	3.1095	0.0046	4 52 37.4	18.979	0.138	90.1	6 Beob.	5 5870
7904	9.1	44 43.01	3.0953	0.0036	3 0 6.5	18.980	0.137	91.7	256 284	[3 5516]
7905	8.3	44 46.75	3.0979	0.0038	3 20 56.9	18.982	0.137	89.7	5 Beob.	3 5517
7906	9.3	22 45 6.54	+3.0874	−0.0030	−1 57 35.2	+18.991	+0.136	91.7	256 283	[2 5832]
7907	8.8	45 7.41	3.0949	0.0035	2 57 15.1	18.991	0.137	89.6	54 59	3 5518
7908	8.5	46 0.76	3.0874	0.0030	1 58 40.0	19.016	0.135	90.7	177 180	2 5836
7909	8.9	46 6.38	3.0889	0.0031	2 10 58.0	19.019	0.135	90.4	62 172 182	2 5837
7910	8.8	46 13.16	3.1006	0.0039	3 45 53.9	19.022	0.135	89.8	6 Beob.	4 5775
7911	9.2	22 46 15.73	+3.0907	−0.0032	−2 26 30.2	+19.023	+0.134	90.7	66 256	[2 5839]
7912	7.8	46 24.66	3.0900	0.0032	2 20 34.5	19.027	0.134	90.7	62 254	2 5840
7913	7.8	47 30.50	3.0957	0.0035	3 9 26.1	19.057	0.132	91.2	3 Beob.	3 5521
7914	9.0	47 35.17	3.0864	0.0029	1 52 52.9	19.059	0.132	90.7	59 284	2 5843
7915	9.2	47 53.65	3.0880	0.0030	2 7 4.1	19.068	0.131	91.7	254 283	[2 5845]
7916	9.0	22 48 0.39	+3.1152	−0.0049	−5 51 55.8	+19.071	+0.132	94.2	3 Beob.	6 6085
7917	9.1	48 1.57	3.0883	0.0030	2 9 33.9	19.071	0.131	91.7	256 283	2 5846
7918	9.0	48 14.10	3.1151	0.0049	5 52 34.4	19.077	0.132	94.1	3 Beob.	6 6086
7919	8.3	48 22.48	3.0931	0.0033	2 50 11.7	19.081	0.131	89.6	54 59	3 5526
7920	7.3	48 33.41	3.1100	0.0045	5 11 21.2	19.086	0.131	91.0	178 184 256	5 5880
7921	9.7	22 48 49.97	+3.0875	−0.0029	−2 4 30.8	+19.093	+0.129	89.7	59 66	[2 5848]
7922	8.9	48 59.93	3.1081	0.0044	4 57 57.7	19.097	0.130	89.9	6 Beob.	5 5881
7923	8.5	49 8.07	3.0968	0.0036	3 23 7.4	19.101	0.129	89.8	6 Beob.	3 5527
7924	6.0	49 59.78	3.1116	0.0047	5 31 14.9	19.124	0.128	89.9 90.0	9 Beob.	5 5885
7925	8.8	50 13.77	3.0858	0.0028	1 52 30.5	19.130	0.127	90.5	5 Beob.	2 5853
7926	8.3	22 50 29.21	+3.0963	−0.0035	−3 22 28.4	+19.137	+0.127	89.9	7 Beob.	3 5530
7927	8.8	51 8.83	3.1127	0.0047	5 46 16.2	19.154	0.126	89.9 90.0	10 Beob.	6 6100
7928	8.3	51 33.23	3.1006	0.0038	4 3 36.8	19.164	0.125	90.5	5 Beob.	4 5791
7929	9.0	51 54.10	3.0956	0.0034	3 20 57.0	19.173	0.124	89.6 89.7	5 Beob.	3 5534
7930	7.0	51 56.94	3.0986	0.0037	3 46 47.8	19.175	0.124	90.4	66 178 184	4 5793
7931	**6.7**	**22 52 6.60**	**+3.1092**	**−0.0045**	**−5 20 40.1**	**+19.179**	**+0.124**		**Fund. Kat.**	5 5894
7932	9.1	52 7.02	3.0860	0.0027	1 57 4.9	19.179	0.123	90.7	168 170	[2 5857]
7933	8.3	52 15.99	3.0978	0.0036	3 41 17.1	19.183	0.123	89.7	5 Beob.	3 5536
7934	8.9	52 27.67	3.0979	0.0036	3 42 58.7	19.188	0.123	89.7 89.8	5 Beob.	3 5538
7935	8.0	52 42.48	3.1011	0.0038	4 11 19.4	19.194	0.123	90.7	62 256	4 5795
7936	6.3	22 53 6.51	+3.0924	−0.0032	−2 55 48.4	+19.204	+0.122	90.1	8 168 170	3 5539
7937	9.3	53 8.13	3.0836	0.0025	1 37 31.2	19.205	0.121	90.7	70 254	[1 4361]
7938	6.8	53 14.58	3.0858	0.0027	1 56 42.4	19.207	0.121	90.7	172 182	2 5858
7939	8.3	53 19.80	3.1065	0.0043	5 2 14.3	19.210	0.122	89.7	8 Beob.	5 5897
7940	8.6	53 28.94	3.1014	0.0039	4 17 19.8	19.213	0.121	89.7 89.8	5 Beob.	4 5796
7941	8.0	22 54 0.17	+3.0841	−0.0025	−1 43 2.7	+19.226	+0.119	90.4	70 168 170	1 4365
7942	9.3	54 6.16	3.0913	0.0031	2 48 22.5	19.229	0.120	90.3	8 254	[3 5543]
7943	9.0	54 13.10	3.0992	0.0037	3 59 55.8	19.232	0.120	90.0	6 Beob.	4 5797
7944	8.2	54 19.81	3.0953	0.0034	3 25 17.1	19.235	0.119	90.4	62 178 184	3 5544
7945	(8.0)[1]	54 31.08	3.1050	0.0041	4 53 57.1	19.239	0.119	89.7	8 Beob.	5 5903
7946	7.8	22 54 40.05	+3.0923	−0.0031	−2 58 35.0	+19.243	+0.119	90.8	5 Beob.	3 5545
7947	9.1	54 49.59	3.0950	0.0033	3 23 33.6	19.247	0.118	90.7	62 254	3 5546
7948	9.2	55 4.02	3.0911	0.0030	2 48 59.4	19.253	0.118	90.7	66 168[2] 170 256	3 5549
7949	9.0	55 7.96	3.0905	0.0030	2 43 28.6	19.254	0.118	89.7	5 Beob.	2 5861
7950	9.0	55 27.14	3.0906	0.0030	2 45 3.2	19.262	0.117	89.6 89.7	5 Beob.	2 5863

[1] Dupl. 9^r seq. austr.; Com. $9^m.3$ [2] *a* ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
7951	8.5	22h 55m 27s.38	+3s.1058	—0s.0042	—5° 5′ 20″.4	+19″.262	+0″.118	89.8	6 Beob.	5° 5905
7952	9.0	56 12.87	3.1043	0.0041	4 54 38.7	19.280	0.116	90.0	1 66 168 170	5 5909
7953	6.0	56 21.16	3.1064	0.0042	5 14 56.7	19.284	0.116	89.8	7 Beob.	5 5910
7954	8.8	56 24.86	3.0894	0.0029	2 36 29.7	19.285	0.115	89.6	5 Beob.	2 5867
7955	8.8	56 27.40	3.0931	0.0032	3 11 34.8	19.286	0.115	90.7	62 172 182 256	3 5552
7956	7.8	22 56 38.78	+3.1007	—0.0038	—4 22 46.9	+19.291	+0.115	90.5	66 188 192[a]	4 5804
7957	9.5	56 40.21	3.0859	0.0026	2 4 6.0	19.291	0.114	90.5	70 188 192[a]	[2 5868]
7958	7.8	56 46.21	3.0932	0.0032	3 13 23.6	19.294	0.115	90.7	62 254	3 5553
7959	8.7	56 54.16	3.0838	0.0024	1 44 48.9	19.297	0.114	90.8	186[a] 187 193	1 4376
7960	9.2	56 55.96	3.1076	0.0043	5 29 13.7	19.298	0.115	89.7	6 Beob.	5 5911
7961	9.0	22 56 56.20	+3.1006	—0.0038	—4 23 17.1	+19.298	+0.115	90.4	66 177 180	4 5808
7962	9.3	57 10.69	3.1075	0.0043	5 29 21.4	19.303	0.114	89.7	7 Beob.	5 5912
7963	9.4	57 27.59	3.1013	0.0038	4 31 42.6	19.310	0.114	90.2	5 Beob.	[4 5809]
7964	9.0	57 35.51	3.0916	0.0030	3 0 5.8	19.313	0.113	89.6 89.7	5.6 Beob.	3 5557
7965	9.0	57 48.79	3.1000	0.0037	4 21 26.5	19.318	0.113	90.4	62 168 170	4 5811
7966	9.0	22 58 25.05	+3.0919	—0.0030	—3 5 48.7	+19.333	+0.111	89.7	5 Beob.	3 5559
7967	7.0	58 44.56	3.1057	0.0042	5 20 5.1	19.340	0.111	89.7	8 Beob.	5 5917
7968	9.0	58 59.48	3.0831	0.0023	1 41 21.9	19.346	0.110	90.5	70 188 192[a]	1 4386
7969	8.8	59 9.45	3.0877	0.0026	2 26 22.2	19.350	0.110	90.9 90.8	186[a]δ[1] 187 193	2 5876
7970	8.9	59 29.08	3.0973	0.0035	4 2 1.3	19.357	0.110	90.7	62 256	4 5815
7971	8.7	22 59 36.57	+3.1075	—0.0043	—5 42 7.2	+19.360	+0.110	90.2	5 Beob.	5 5921
7972	9.0	59 54.38	3.0832	0.0022	1 44 19.8	19.367	0.108	90.1	8 70 256	1 4389
7973	9.0	23 0 1.38	3.1078	0.0044	5 47 13.6	19.369	0.109	97.8	2 Beob.	6 6142
7974	8.8	0 17.89	3.1016	0.0038	4 47 21.4	19.376	0.108	91.2	188 192[a] 292	5 5923
7975	9.1	0 50.50	3.0884	0.0027	2 37 37.5	19.388	0.107	90.6	5 Beob.	2 5883
7976	8.6	23 1 31.16	+3.1007	—0.0037	—4 44 25.6	+19.403	+0.106	89.7	5 Beob.	4 5822
7977	8.9	2 31.92	3.0880	0.0026	2 38 44.7	19.425	0.103	89.6	5 Beob.	2 5886
7978	8.9	2 36.56	3.1054	0.0042	5 38 7.4	19.427	0.104	90.4	62 172 182	5 5931
7979	8.8	2 44.53	3.1035	0.0040	5 19 3.4	19.430	0.104	90.0	9 Beob.	5 5932
7980	8.9	3 29.03	3.1031	0.0039	5 19 13.7	19.446	0.102	90.1	10 Beob.	5 5935
7981	9.0	23 3 36.08	+3.0826	—0.0021	—1 43 56.7	+19.448	+0.101	89.9	6 Beob.	1 4395
7982	8.5	3 51.02	3.1061	0.0042	5 53 1.4	19.453	0.101	89.7 89.9	(3) (10)[2] 172 182	6 6152
7983	9.1	3 53.45	3.0902	0.0028	3 5 34.8	19.454	0.101	90.6	5 Beob.	3 5575
7984	8.0	3 55.18	3.0897	0.0027	2 59 40.6	19.455	0.101	90.4	70 177 180	3 5576
7985	8.2	3 57.36	3.0885	0.0026	2 47 58.1	19.456	0.101	90.6	70 186[a] 187 193	3 5577
7986	9.0	23 4 5.40	+3.0980	—0.0035	—4 28 49.9	+19.458	+0.101	90.1 90.3	(13)[3] 66 177 180	4 5830
7987	8.5	4 27.24	3.0980	0.0035	4 30 15.5	19.466	0.100	89.9	5 Beob.	4 5833
7988	8.9	5 26.32	3.1033	0.0040	5 31 59.7	19.486	0.098	89.7	6 Beob.	5 5939
7989	8.9	5 39.18	3.0950	0.0032	4 3 24.4	19.491	0.098	89.7	5 Beob.	4 5837
7990	9.0	5 59.37	3.0993	0.0036	4 51 54.5	19.498	0.097	90.6	5 Beob.	5 5944
7991	9.0	23 6 3.50	+3.0826	—0.0020	—1 48 36.9	+19.499	+0.096	90.1	8 177 180	2 5898
7992	8.5	6 6.90	3.1035	0.0040	5 38 30.9	19.500	0.097	90.0	6 Beob.	5 5945
7993	8.3	6 27.92	3.0924	0.0029	3 38 38.1	19.507	0.096	90.4	62 168 170	3 5584
7994	8.8	6 33.39	3.0818	0.0019	1 40 39.7	19.509	0.095	90.8	178 184	1 4401
7995	9.1	6 33.75	3.0847	0.0022	2 13 6.6	19.509	0.096	90.8	5 Beob.	[2 5902]
7996	9.3	23 6 41.57	+3.1016	—0.0038	—5 21 41.1	+19.512	+0.096	89.6	6 Beob.	5 5946
7997	8.8	6 56.63	3.0871	0.0024	2 41 27.9	19.517	0.095	89.7	5 Beob.	2 5903
7998	8.3	7 3.36	3.0967	0.0033	4 28 53.0	19.519	0.095	90.5	5 Beob.	4 5841
7999	8.7	7 4.19	3.0866	0.0023	2 35 23.7	19.520	0.095	89.5	(13) (23) 8 256	2 5904
8000	8.8	8 4.18	3.0864	0.0023	2 36 21.8	19.539	0.093	89.8	5 Beob.	2 5907

[1] ½ [2] δ ½ [3] a ½ δ ½

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
8001	9.1	23h 8m 25s.28	+3s.0859	—0s.0022	—2° 31′ 55″.8	+19″.546	+0″.092	90.3	10 Beob.	[2° 5910]
8002	9.0	8 29.93	3.0954	0.0032	4 21 30.1	19.548	0.092	89.9	6 Beob.	4 5844
8003	9.2	8 45.25	3.0953	0.0032	4 20 53.9	19.553	0.092	90.3 90.2	9 Beob.	4 5845
8004	7.1	8 57.78	3.0891	0.0025	3 10 44.1	19.557	0.091	90.4	62 168 170	3 5592
8005	8.9	9 33.39	3.0861	0.0022	2 37 8.9	19.568	0.090	89.6	5 Beob.	2 5913
8006	9.1	23 9 43.72	+3.1029	—0.0040	—5 55 3.3	+19.572	+0.090	90.3	10 Beob.	[6 6173]
8007	8.7	9 46.78	3.0808	0.0017	1 36 1.8	19.573	0.089	90.7	70 172 182 256	1 4409
8008	8.2	10 10.53	3.0983	0.0035	5 4 41.5	19.580	0.089	90.0	(10) 70 177 180	5 5957
8009	5.3	10 25.18	3.0930	0.0029	4 2 29.4	19.585	0.088	90.4	62 168 170	4 5852
8010	9.0	10 28.83	3.0940	0.0030	4 15 11.0	19.586	0.088	90.4	62 178 184	4 5853
8011	7.0	23 10 49.99	+3.0825	—0.0018	—1 58 9.0	+19.592	+0.087	89.6 89.7	5 Beob.	2 5914
8012	9.0	11 3.54	3.0910	0.0027	3 41 11.8	19.597	0.087	89.6	6 Beob.	3 5600
8013	(7.7)[1]	11 25.87	3.0832	0.0019	2 7 57.8	19.603	0.086	97.3	4 Beob.	2 5917
8014	7.9	11 35.20	3.0843	0.0020	2 22 28.5	19.606	0.086	90.8	186a 187 193	2 5918
8015	8.8	11 35.99	3.0961	0.0033	4 46 7.5	19.607	0.086	90.8	186a 187 193	5 5959
8016	7.8	23 12 5.69	+3.0969	—0.0033	—4 58 49.5	+19.616	+0.085	90.7	172 182	5 5961
8017	8.1	12 27.57	3.0826	0.0018	2 3 54.5	19.622	0.084	90.7	168 170	2 5920
8018	8.5	12 44.19	3.0970	0.0033	5 4 5.3	19.627	0.084	90.8	186a 187 193	5 5963
8019	8.7	12 47.75	3.0898	0.0026	3 34 20.2	19.628	0.084	91.3	2 Beob.	3 5607
8020	9.0	12 50.91	3.0882	0.0024	3 14 33.5	19.629	0.084	89.7	(13) (23) 66 256	3 5609
8021	8.4	23 13 8.27	+3.0842	—0.0019	—2 25 2.0	+19.634	+0.083	89.5 89.6	6 Beob.	2 5923
8022	8.5	13 18.60	3.0843	0.0019	2 26 32.8	19.637	0.083	89.7 90.0	(12)[2] (22)[2] 70 256	2 5925
8023	8.9	13 30.59	3.0843	0.0019	2 28 19.7	19.641	0.082	90.2	9 172 182	2 5926
8024	8.7	13 41.00	3.0992	0.0036	5 38 48.9	19.644	0.082	89.6	5 Beob.	5 5965
8025	9.1	13 54.48	3.0875	0.0023	3 10 3.3	19.648	0.082	89.8 90.0	6 Beob.	3 5614
8026	6.2	23 14 12.75	+3.0991	—0.0036	—5 40 15.2	+19.653	+0.081	89.5	5 Beob.	5 5966
8027	9.2	14 36.14	3.0825	0.0017	2 7 18.7	19.660	0.080	89.8	6 Beob.	2 5932
8028	9.0	14 44.12	3.0894	0.0025	3 38 3.3	19.662	0.080	89.8 90.0	5 Beob.	3 5619
8029	9.2	14 55.12	3.0825	0.0017	2 9 6.8	19.665	0.079	89.6	5 Beob.	2 5934
8030	6.5	15 4.56	3.0930	0.0029	4 27 47.7	19.668	0.079	89.7	(3) (10) 70 256	4 5868
8031	8.9	23 15 14.41	+3.0884	—0.0024	—3 27 48.8	+19.671	+0.079	89.9	(13) 66 168 170	3 5620
8032	9.0	15 15.75	3.0904	0.0026	3 54 15.6	19.671	0.079	89.6 89.8	5 Beob.	4 5870
8033	9.4	15 17.17	3.0809	0.0015	1 47 50.1	19.672	0.079	90.7	62 256	2 5936
8034	8.6	15 55.12	3.0965	0.0033	5 19 1.3	19.682	0.078	89.7	5 Beob.	5 5972
8035	9.4	16 6.40	3.0887	0.0024	3 35 34.0	19.685	0.077	89.7	(8) 186a	[3 5623]
8036	7.0	23 16 12.28	+3.0959	—0.0032	—5 13 11.4	+19.687	+0.077	89.7	(3) (10) 168 170	5 5973
8037	9.2	16 15.75	3.0887	0.0024	3 36 42.2	19.688	0.077	89.6 89.8	5 Beob.	[3 5624]
8038	8.5	16 23.09	3.0823	0.0016	2 10 33.7	19.690	0.077	91.8	2 Beob.	2 5942
8039	8.7	16 55.96	3.0831	0.0017	2 22 21.3	19.699	0.075	90.1	9 Beob.	2 5943
8040	8.7	17 31.32	3.0800	0.0013	1 41 57.8	19.709	0.074	89.7	(13) (23) 66 256	1 4423
8041	9.2	23 17 35.53	+3.0938	—0.0030	—4 53 47.2	+19.710	+0.075	90.5	62 186a 187 193	5 5977
8042	9.0	17 35.64	3.0814	0.0015	2 1 5.2	19.710	0.074	89.7	5 Beob.	2 5944
8043	8.9	17 39.70	3.0967	0.0034	5 35 6.8	19.711	0.074	89.5	5 Beob.	5 5978
8044	8.3	18 14.27	3.0887	0.0024	3 45 48.5	19.720	0.073	89.5 89.4	6 Beob.	4 5879
8045	9.1	18 37.81	3.0805	0.0014	1 52 3.8	19.726	0.072	89.7	5 Beob.	2 5947
8046	9.0	23 18 55.34	+3.0902	—0.0026	—4 11 49.4	+19.731	+0.072	89.7 89.9	5 Beob.	4 5881
8047	9.0	19 16.92	3.0965	0.0034	5 44 53.9	19.736	0.071	89.9	6 Beob.	5 5983
8048	7.8	19 29.53	3.0821	0.0015	2 17 23.4	19.740	0.071	89.7	7 Beob.	2 5951
8049	8.9	19 38.61	3.0957	0.0033	5 35 42.7	19.742	0.071	89.7	5 Beob.	5 5985
8050	9.0	19 46.87	3.0832	0.0017	2 34 2.3	19.744	0.070	89.9	6 Beob.	2 5952

[1] Dupl. 5″ austr. praec.; Z. 170 δ med. mit —2″.08 auf praec. red. [2] $\delta \frac{1}{2}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
8051	8.9	23h 19m 50s.28	+3s.0962	−0s.0034	−5° 45′ 38″.2	+19″.745	+0″.070	89.9	7 Beob.	6° 6204
8052	9.0	19 52.18	3.0876	0.0022	3 39 42.3	19.745	0.070	89.7	5 Beob.	3 5631
8053	9.1	20 38.35	3.0953	0.0033	5 38 56.3	19.757	0.069	89.7 90.0	(3)[1] (10)[1] 70 256	5 5989
8054	9.0	21 21.50	3.0931	0.0030	5 11 8.9	19.768	0.067	90.4	62 178 184	5 5992
8055	8.2	21 29.41	3.0954	0.0033	5 46 57.1	19.770	0.067	90.3	1 256	6 6213
8056	9.0	23 21 29.76	+3.0944	−0.0031	−5 32 50.7	+19.770	+0.067	89.7	(13) (23) 66 256	5 5993
8057	9.0	21 45.28	3.0861	0.0020	3 27 34.9	19.773	0.066	90.2	8 178 184	3 5638
8058	7.3	22 5.04	3.0850	0.0019	3 11 5.1	19.778	0.066	90.0	(5) 70 256	3 5639
8059	8.7	22 54.12	3.0803	0.0012	2 1 7.6	19.790	0.064	89.7	5 Beob.	2 5965
8060	8.8	22 56.86	3.0840	0.0017	3 0 36.1	19.791	0.064	89.8	6 Beob.	3 5642
8061	8.6	23 22 59.65	+3.0840	−0.0017	−2 59 57.0	+19.791	+0.064	89.3	(12) (22) 1 187	3 5643
8062	8.3	23 18.78	3.0846	0.0018	3 12 12.8	19.796	0.063	89.6	(8) 8 9 256	3 5644
8063	9.0	23 29.65	3.0906	0.0027	4 50 1.0	19.798	0.063	89.7	5 Beob.	5 5996
8064	8.7	23 54.20	3.0801	0.0012	2 1 15.2	19.804	0.062	89.7	5 Beob.	2 5971
8065	9.0	24 13.22	3.0785	0.0009	1 36 20.9	19.808	0.061	89.7	(13) (23) 66 256	1 4442
8066	8.5	23 24 13.36	+3.0878	−0.0023	−4 8 47.7	+19.808	+0.062	89.6	5 Beob.	4 5890
8067	6.5	24 19.00	3.0812	0.0013	2 20 29.7	19.809	0.061	89.7	7 Beob.	2 5973
8068	6.2	24 21.79	3.0911	0.0028	5 4 36.7	19.810	0.061	89.7	(3) (10) 172 182	5 5999
8069	6.5	24 22.62	3.0784	0.0009	1 35 10.6	19.810	0.061	89.1	(13) (23) 66	[1 4443]
8070	9.0	25 3.56	3.0865	0.0021	3 52 26.1	19.820	0.060	89.6	7 Beob.	4 5891
8071	9.0	23 25 4.05	+3.0919	−0.0029	−5 23 26.7	+19.820	+0.060	94.0	3 Beob.	5 6001
8072	9.1	25 9.06	3.0852	0.0019	3 32 21.5	19.821	0.060	89.6 89.7	5 Beob.	[3 5649]
8073	8.9	25 46.51	3.0890	0.0025	4 39 59.8	19.829	0.058	89.6	5 Beob.	4 5895
8074	8.0	25 48.45	3.0922	0.0030	5 36 43.0	19.829	0.059	89.4	6 Beob.	5 6003
8075	9.3	26 8.67	3.0921	0.0029	5 36 45.1	19.834	0.058	90.2	7 Beob.	5 6004
8076	8.9	23 26 16.22	+3.0892	−0.0025	−4 48 10.3	+19.835	+0.058	89.7 90.0	5 Beob.	5 6005
8077	6.8	26 21.45	3.0886	0.0024	4 38 0.2	19.836	0.057	89.7	(12) (22) 66 256	4 5896
8078	8.8	26 22.99	3.0861	0.0020	3 55 29.8	19.837	0.057	89.6	5 Beob.	4 5897
8079	6.7	26 49.72	3.0782	0.0008	1 38 18.5	19.842	0.056	89.6	6 Beob.	1 4450
8080	8.5	27 0.13	3.0847	0.0018	3 34 48.2	19.845	0.056	89.6	5 Beob.	3 5651
8081	9.4	23 27 33.55	+3.0848	−0.0018	−3 39 46.2	+19.852	+0.055	90.0	5 Beob.	[3 5654]
8082	9.3	27 45.65	3.0787	0.0009	1 48 52.5	19.854	0.054	89.7	(13) 23 66 256	[2 5982]
8083	6.8	27 47.01	3.0844	0.0018	3 34 6.2	19.854	0.054	89.8 89.9	(12)[1] 9 168 170	3 5655
8084	9.2	27 51.98	3.0780	0.0007	1 37 33.8	19.855	0.054	89.7	(17) 70 187	[1 4453]
8085	9.0	28 4.06	3.0847	0.0018	3 41 15.9	19.858	0.054	89.5	5 Beob.	3 5657
8086	7.2	23 28 19.63	+3.0887	−0.0025	−4 57 11.5	+19.861	+0.054	89.9 89.7	(3) (10)[2] 172 182	5 6011
8087	9.0	28 31.25	3.0778	0.0007	1 36 9.9	19.863	0.053	89.8	5 Beob.	1 4454
8088	7.7	28 33.37	3.0816	0.0013	2 47 46.3	19.864	0.053	89.8	(12) 8 178 184	3 5661
8089	9.0	28 37.37	3.0909	0.0028	5 41 3.6	19.864	0.053	89.7 89.8	5 Beob.	5 6012
8090	6.0	29 0.41	3.0784	0.0008	1 47 59.7	19.869	0.052	89.6 89.8	5 Beob.	2 5986
8091	9.5	23 29 31.96	+3.0791	−0.0009	−2 3 31.8	+19.875	+0.051	90.9 91.2	70[3] 178 256	2 5990
8092	8.9	29 57.39	3.0858	0.0020	4 16 15.5	19.880	0.050	89.7 90.0	(5)[1] (8)[1] 168 170	4 5911
8093	7.8	30 5.72	3.0861	0.0021	4 24 27.5	19.882	0.050	90.0 90.1	5 Beob.	4 5912
8094	8.9	30 17.67	3.0848	0.0019	3 59 32.9	19.884	0.050	89.5	5 Beob.	4 5913
8095	9.0	30 21.39	3.0799	0.0010	2 22 34.1	19.885	0.049	89.6	5 Beob.	2 5993
8096	8.7	23 31 14.22	+3.0844	−0.0018	−3 59 38.2	+19.894	+0.048	90.1	(8) 172 182	4 5915
8097	8.0	31 36.44	3.0829	0.0015	3 30 54.2	19.898	0.047	89.7	5 Beob.	3 5669
8098	9.5	32 2.75	3.0775	0.0005	1 40 8.9	19.903	0.046	89.8	6 Beob.	1 4460
8099	9.2	32 8.38	3.0773	0.0005	1 36 12.3	19.904	0.046	89.9	6 Beob.	1 4462
8100	8.6	32 9.11	3.0786	0.0007	2 4 21.1	19.904	0.046	89.6 89.8	5 Beob.	2 5998

[1] δ ½ [2] α ½ [3] α ½ δ 0

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B. D.
8101	8.7	23h 32m 27s.73	+3s.0886	−0s.0026	−5° 39' 40".6	+19".907	+0".045	89.6	5 Beob.	5° 6022
8102	9.3	32 41.93	3.0784	0.0007	2 3 27.3	19.910	0.045	89.7	(15) (29) 70 256	2 5999
8103	8.1	32 58.64	3.0779	0.0006	1 53 22.2	19.913	0.044	89.8	(12) 9 168 170	2 6000
8104	8.5	33 2.21	3.0846	0.0019	4 18 47.4	19.913	0.044	89.7	(5) (8) 172 182	4 5917
8105	9.4	33 37.99	3.0816	0.0013	3 19 8.7	19.919	0.043	89.5	(3) (10) 70 194	[3 5676]
8106	8.5	23 33 41.07	+3.0821	−0.0014	−3 30 48.9	+19.920	+0.043	89.7	(12) (22) 168 170	3 5677
8107	9.3	33 49.26	3.0798	0.0010	2 39 14.7	19.921	0.043	89.6 89.7	5 Beob.	2 6005
8108	8.9	34 15.42	3.0798	0.0010	2 42 30.8	19.926	0.042	89.8	(17) (29) 178 184	2 6007
8109	9.0	34 16.69	3.0824	0.0015	3 41 40.6	19.926	0.042	91.4	194 292	3 5682
8110	9.0	34 22.76	3.0871	0.0024	5 30 10.3	19.927	0.042	90.3	1 256	5 6028
8111	8.8	23 34 35.27	+3.0862	−0.0023	−5 13 10.3	+19.929	+0.041	90.2	4 Beob.	5 6029
8112	9.0	34 39.06	3.0854	0.0021	4 53 38.1	19.930	0.041	91.7	2 Beob.	5 6030
8113	9.0	34 55.48	3.0847	0.0020	4 41 41.3	19.932	0.040	91.4	194 292	4 5926
8114	9.2	35 5.92	3.0784	0.0007	2 14 17.0	19.934	0.040	90.3	8 273	2 6012
8115	8.8	35 7.65	3.0786	0.0007	2 18 32.7	19.934	0.040	90.4	70 178 184	2 6013
8116	9.3	23 35 22.73	+3.0775	−0.0005	−1 54 56.8	+19.936	+0.040	90.7	70 256	2 6014
8117	8.7	36 5.57	3.0810	0.0012	3 24 47.7	19.943	0.038	90.0	8 194	3 5688
8118	8.7	36 9.27	3.0848	0.0021	4 58 40.1	19.944	0.038	89.6	5 Beob.	5 6033
8119	9.0	36 47.75	3.0766	0.0003	1 39 5.4	19.949	0.037	89.9	6 Beob.	1 4477
8120	8.3	37 13.71	3.0775	0.0005	2 3 18.4	19.953	0.036	89.6	5 Beob.	2 6021
8121	8.8	23 37 28.51	+3.0821	−0.0015	−4 6 22.2	+19.955	+0.036	89.6	5 Beob.	4 5935
8122	9.6	37 59.41	3.0776	0.0005	2 11 41.2	19.960	0.034	89.6 89.5	6 Beob.	[2 6023]
8123	8.5	38 27.74	3.0812	0.0013	3 52 1.2	19.964	0.034	89.9 90.1	6 Beob.	4 5939
8124	8.8	39 18.27	3.0791	0.0008	3 0 41.7	19.970	0.032	89.5	6 Beob.	3 5696
8125	7.0	39 24.52	3.0805	0.0012	3 43 47.4	19.971	0.032	89.9	6 Beob.	3 5697
8126	8.7	23 39 26.45	+3.0844	−0.0022	−5 33 44.1	+19.971	+0.032	90.0 89.9	6 Beob.	5 6041
8127	8.9	40 15.02	3.0791	0.0009	3 10 25.3	19.978	0.030	89.9	6 Beob.	3 5698
8128	8.9	40 16.60	3.0777	0.0005	2 30 0.8	19.978	0.030	89.6	5 Beob.	2 6032
8129	9.0	40 25.31	3.0834	0.0020	5 20 40.7	19.979	0.030	89.9	6 Beob.	5 6044
8130	9.0	40 57.09	3.0802	0.0012	3 51 35.8	19.983	0.029	90.2 90.3	6 Beob.	4 5948
8131	8.8	23 40 59.89	+3.0804	−0.0012	−3 58 1.7	+19.983	+0.029	89.7 89.8	5 Beob.	4 5949
8132	9.0	41 20.18	3.0795	0.0010	3 33 42.1	19.986	0.028	89.7	(5) (8) 178 184	3 5702
8133	9.1	41 26.96	3.0766	0.0002	2 4 41.7	19.986	0.028	89.7	7 Beob.	2 6034
8134	9.0	42 10.40	3.0835	0.0022	5 54 14.9	19.991	0.026	89.5	4 Beob.	6 6289
8135	8.8	42 14.87	3.0764	0.0002	2 3 51.9	19.992	0.026	89.5 89.7	(5)[1] (8) 9 273	2 6037
8136	8.5	23 42 15.63	+3.0808	−0.0014	−4 27 33.2	+19.992	+0.026	89.7 89.9	5 Beob.	4 5955
8137	9.0	42 21.29	3.0776	0.0005	2 42 21.0	19.993	0.026	89.6	5 Beob.	2 6038
8138	7.3	42 30.83	3.0817	0.0017	5 1 3.6	19.994	0.026	91.3	4 Beob.	5 6048
8139	8.5	42 32.52	3.0800	0.0012	4 5 32.3	19.994	0.026	90.8	186[a] 187 193	4 5957
8140	9.2	42 36.97	3.0786	0.0008	3 18 16.8	19.994	0.025	90.7	70 273	[3 5705]
8141	8.8	23 42 41.42	+3.0824	−0.0020	−5 29 8.8	+19.995	+0.025	90.9	187 193	5 6052
8142	8.2	42 44.05	3.0829	0.0021	5 47 42.2	19.995	0.025	90.8 90.6	4 Beob.	6 6293
8143	5.4	42 47.98	3.0785	0.0008	3 19 2.8	19.996	0.025	89.7	(17) (29) 70 273	3 5707
8144	8.9	43 19.99	3.0816	0.0018	5 14 20.9	19.999	0.024	89.5	5 Beob.	5 6055
8145	9.3	43 36.03	3.0761	0.0001	2 1 53.4	20.001	0.023	89.3 89.4	5 Beob.	[2 6043]
8146	7.7	23 43 37.17	+3.0811	−0.0016	−4 59 29.2	+20.001	+0.023	90.4	6 Beob.	5 6056
8147	9.0	43 38.40	3.0797	0.0012	4 11 40.9	20.001	0.023	89.7	5 Beob.	4 5959
8148	9.1	44 37.07	3.0776	0.0006	3 7 8.9	20.007	0.021	89.6	(17) (29) 9 273	3 5713
8149	9.0	44 48.48	3.0791	0.0011	4 8 35.9	20.008	0.021	89.5 89.6	(3)[2] (10) 1 273	4 5961
8150	9.1	45 54.08	3.0786	0.0011	4 6 40.0	20.014	0.019	89.5 89.8	(3)[2] (10)[2] 1 273	[4 5964]

[1] $\delta \frac{1}{4}$ [2] $\delta \frac{1}{2}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
8151	8.9	23h 46m 2.01s	+3.0763s	−0.0002s	−2° 29′ 29.3″	+20.015″	+0.019″	90.2 90.0	5 Beob.	2° 6049
8152	8.5	46 2.06	3.0771	−0.0005	3 4 32.3	20.015	0.019	89.1 89.2	6 Beob.	3 5718
8153	8.0	46 21.08	3.0782	−0.0009	3 57 38.0	20.017	0.018	89.8	(29) (39) 70 273	4 5965
8154	8.8	46 24.64	3.0783	−0.0010	4 3 53.6	20.017	0.018	89.3	(3) (10) 1 194	4 5967
8155	8.8	46 25.20	3.0783	−0.0010	4 2 18.4	20.017	0.018	89.8 90.0	(3)[1] (10)[2] 70 273	4 5968
8156	9.0	23 46 32.24	+3.0770	−0.0005	−3 5 49.3	+20.017	+0.018	89.5 89.8	4 Beob.	3 5719
8157	9.1	47 14.54	3.0779	−0.0009	3 57 10.9	20.021	0.016	90.0	(17) 70 75 269	[4 5971]
8158	8.9	47 27.32	3.0765	−0.0003	2 55 26.9	20.022	0.016	89.7	(12) (22) 178 184	3 5720
8159	9.0	47 33.97	3.0789	−0.0014	4 51 1.4	20.023	0.016	89.3 89.4	(5) (8)[2] 1 194	5 6070
8160	6.0	47 47.29	3.0773	−0.0007	3 42 37.7	20.024	0.015	89.8	(17) 9 273	3 5723
8161	9.0	23 47 59.95	+3.0799	−0.0019	−5 53 27.7	+20.025	+0.015	89.7	(10) (42) 70 273	6 6309
8162	9.1	48 16.25	3.0794	−0.0017	5 36 12.7	20.026	0.014	89.3	(12) (34) 70 75	5 6072
8163	8.7	48 33.77	3.0753	+0.0001	2 13 1.7	20.027	0.014	89.7 89.9	(5) (8)[2] 178 184	2 6056
8164	9.4	48 42.21	3.0748	+0.0003	1 50 24.2	20.028	0.013	90.0	5 Beob.	2 6057
8165	8.8	48 55.86	3.0782	−0.0013	4 50 5.4	20.029	0.013	89.6	(34) (42) 1 273	5 6075
8166	9.2	23 49 3.82	+3.0791	−0.0017	−5 42 7.3	+20.029	+0.013	90.5	4 Beob.	[5 6076]
8167	9.1	49 26.60	3.0784	−0.0015	5 16 45.9	20.031	0.012	89.8 90.1	5.4 Beob.	5 6079
8168	8.5	49 27.26	3.0765	−0.0005	3 32 6.2	20.031	0.012	90.2	4 Beob.	3 5728
8169	7.5	49 31.19	3.0754	0.0000	2 30 8.6	20.031	0.012	89.6 89.7	5 Beob.	2 6059
8170	8.8	49 34.54	3.0770	−0.0008	4 0 29.1	20.031	0.012	89.8	4 Beob.	4 5976
8171	7.5	23 50 0.04	+3.0781	−0.0014	−5 13 27.6	+20.033	+0.011	89.8	5 Beob.	5 6081
8172	9.0	50 15.16	3.0743	+0.0005	1 38 8.1	20.034	0.010	90.0	6 Beob.	1 4501
8173	8.0	50 15.76	3.0781	−0.0015	5 27 31.5	20.034	0.010	89.4	5 Beob.	5 6083
8174	8.8	50 58.71	3.0757	−0.0003	3 13 50.5	20.037	0.009	90.0 90.3	5 Beob.	3 5734
8175	9.0	51 7.17	3.0764	−0.0007	4 3 2.8	20.037	0.009	89.8	6 Beob.	4 5981
8176	8.8	23 51 56.40	+3.0756	−0.0004	−3 31 57.2	+20.040	+0.007	89.4	5 Beob.	3 5735
8177	8.8	51 56.63	3.0753	−0.0002	3 10 10.9	20.040	0.007	89.5	(5) (8) 9 273	3 5736
8178	8.5	52 30.86	3.0769	−0.0014	5 29 43.3	20.041	0.006	89.8 89.9	5 Beob.	5 6088
8179	8.7	52 53.66	3.0748	0.0000	2 55 44.0	20.042	0.005	89.6 89.7	5 Beob.	3 5738
8180	8.7	52 55.46	3.0745	+0.0002	2 32 12.4	20.042	0.005	89.7	(12) (22) 70 273	2 6067
8181	8.7	23 53 1.61	+3.0759	−0.0009	−4 32 10.7	+20.043	+0.005	89.1	(17) (29) 11 75	4 5989
8182	8.5	53 15.95	3.0754	−0.0005	3 54 33.2	20.043	0.005	89.8 89.6	(34) (42) 70[3] 273	4 5992
8183	8.4	53 24.42	3.0742	+0.0003	2 14 32.1	20.044	0.004	90.3	(39) 186[4] 187 193	2 6068
8184	**5.3**	**53 33.18**	**3.0754**	**−0.0006**	**4 6 38.8**	**20.044**	**0.004**		**Fund. Kat.**	**4 5996**
8185	9.2	53 44.17	3.0758	−0.0010	4 50 40.0	20.045	0.004	91.7	269 273	[5 6093]
8186	7.3	23 54 23.66	+3.0747	−0.0002	−3 24 2.2	+20.046	+0.002	89.8 90.0	(34)[2] (42) 186[4] 193	3 5741
8187	7.2	54 26.46	3.0741	+0.0003	2 24 27.4	20.046	0.002	90.3	(37) (39) 269 273	2 6071
8188	8.1	54 41.10	3.0742	+0.0002	2 40 7.1	20.047	0.002	90.8	186[4] 187 193	2 6072
8189	8.8	54 43.23	3.0737	+0.0007	1 45 22.7	20.047	0.002	90.1 90.3	(34) (42) 269 274[4]	2 6073
8190	8.3	55 24.33	3.0745	−0.0004	3 51 49.0	20.048	0.000	90.0	(5) (8) 194 269	4 6003
8191	8.5	23 55 52.31	+3.0750	−0.0012	−5 29 2.7	+20.049	−0.001	90.0	5 Beob.	5 6097
8192	8.8	56 8.03	3.0739	+0.0002	2 53 44.5	20.049	0.001	90.0	5 Beob.	3 5746
8193	9.0	56 34.58	3.0733	+0.0008	1 41 49.2	20.050	0.002	90.2	5 Beob.	1 4516
8194	5.3	56 41.86	3.0739	−0.0002	3 35 2.9	20.050	0.002	90.0	(5) (8) 194 269	3 5749
8195	8.3	56 52.43	3.0746	−0.0013	5 46 19.2	20.050	0.002	89.6	5 Beob.	6 6346
8196	7.2	23 56 54.93	+3.0738	0.0000	−3 19 22.5	+20.050	−0.003	89.6	(34) (42) 9 273	3 5750
8197	8.5	57 27.79	3.0742	−0.0013	5 44 36.6	20.051	0.004	90.0 90.1	5 Beob.	5 6100
8198	8.7	57 39.73	3.0735	0.0000	3 28 21.8	20.051	0.004	90.0	5 Beob.	3 5752
8199	8.0	58 13.34	3.0736	−0.0007	4 42 8.6	20.051	0.005	89.6	5 Beob.	4 6013
8200	8.8	58 34.34	3.0730	+0.0007	2 6 45.2	20.052	0.006	90.0	5 Beob.	2 6084

[1] $\frac{1}{2}$ [2] $\delta\frac{1}{2}$ [3] $\delta\frac{3}{4}$ [4] $a\frac{1}{2}$

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zonen	B.D.
8201	9.0	$23^h\ 58^m\ 37^s.77$	$+3^s.0733$	$-0^s.0003$	$-3°\ 58'\ 24''.8$	$+20''.052$	$-0''.006$	90.3	6 Beob.	4° 6014
8202	8.7	58 51.75	3.0733	−0.0007	4 51 55.7	20.052	0.006	90.4 90.3	5 Beob.	5 6103
8203	9.0	59 3.71	3.0732	−0.0010	5 28 58.9	20.052	0.007	90.0	7 Beob.	5 6105
8204	8.7	59 34.17	3.0728	+0.0010	1 36 57.0	20.052	0.008	90.2	6 Beob.	1 4524

Anhang I.

Mittlere Örter von 107 nur einmal außerhalb des Programms beobachteten Sternen.

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zone oder Datum der Beobachtung	B.D.
1	9.2	$0^h\ 3^m\ 34^s.86$	$+3^s.0712$	$-0^s.0001$	$-4°\ 14'\ 39''.4$	$+20''.050$	$-0''.016$	88.7	(12)	4° 2
2	9.4	1 55 10.37	3.0486	+0.0064	2 8 34.3	17.573	0.222	91.8	286	2 336
3	9.2	1 59 25.52	3.0210	+0.0056	4 26 49.1	17.391	0.227	91.8	291	4 327
4	9.2	2 0 41.25	3.0160	+0.0055	4 49 24.9	17.335	0.228	88.8	(33)	5 387
5	9.2	2 8 21.83	3.0133	+0.0057	4 46 44.9	16.988	0.241	88.9	4	4 359
6	9.5	2 48 9.40	+3.0082	+0.0069	−4 7 26.8	+14.892	−0.300	91.8	289	4 486
7	9.3	2 48 47.28	3.0453	0.0077	1 44 45.5	14.855	0.305	89.9	72	1 410
8	9.3	2 57 10.65	3.0016	0.0068	4 21 13.4	14.352	0.312	89.9	72	4 516
9	9.5	3 8 34.02	3.0208	0.0074	3 1 57.9	13.639	0.329	90.1	88	3 516
10	9.2	3 17 28.83	2.9667	0.0065	5 58 6.1	13.057	0.334	90.0	83	6 665
11	9.5	3 18 18.90	+3.0034	+0.0071	−3 53 57.9	+13.002	−0.339	90.1	88	4 580
12	9.5	3 22 1.21	2.9801	0.0067	5 7 48.7	12.753	0.341	91.8	287	5 658
13	9.5	3 41 53.25	3.0390	0.0075	1 45 12.9	11.366	0.370	90.1	95	1 531
14	9.5	3 58 39.39	2.9724	0.0064	4 58 11.3	10.128	0.378	90.1	88	5 808
15	9.3	4 11 44.35	2.9737	0.0062	4 45 15.2	9.124	0.390	89.0	12	4 790
16	9.2	4 15 16.79	+3.0267	+0.0066	−2 11 53.9	+ 8.847	−0.400	91.9	296[a]	2 868
17	(9.0)[1]	4 40 8.23	3.0024	0.0056	3 12 16.1	6.847	0.414	91.8	290	— —[1]
18	9.4	5 29 1.18	2.9401	0.0033	5 42 56.8	2.702	0.426	89.0	13	5 1296
19	(9.7)[2]	5 29 12.90	3.0276	0.0035	1 56 59.6	2.685	0.439	89.1	24	— —
20	(9.0)[3]	5 29 17.37	3.0283	0.0035	1 55 11.5	2.679	0.439	88.9	7	— —
21	9.2	5 33 35.23	+3.0121	+0.0033	−2 36 42.2	+ 2.306	−0.437	92.0	305	2 1324
22	(8.0)	5 33 44.45	3.0111	0.0033	2 39 27.2	+ 2.292	0.437	89.0	10	— —[4]
23	9.3	6 2 10.81	2.9656	0.0018	4 34 54.3	− 0.191	0.432	91.0	199	4 1365
24	9.5	6 2 19.16	2.9665	0.0018	4 32 36.3	− 0.203	0.433	91.1	210	4 1366
25	9.5	6 5 3.16	2.9936	0.0017	3 23 18.3	− 0.442	0.436	90.1	87	3 1315
26	9.1	6 5 59.89	+2.9933	+0.0016	−3 24 3.6	− 0.525	−0.436	90.2	120	3 1324
27	9.5	6 10 19.96	2.9383	0.0015	5 44 50.0	0.904	0.428	92.0	307	5 1557
28	9.5	6 17 5.59	2.9706	0.0011	4 22 52.3	1.494	0.431	90.1	106	4 1474
29	9.3	6 25 21.37	2.9520	0.0008	5 11 33.3	2.214	0.427	89.0	17	5 1659
30	9.4	6 27 52.65	2.9382	0.0007	5 47 11.5	2.433	0.424	91.2	223	5 1681

[1] Schätzung 05.129; $3^s.874$ bor. [2] 04.884 $\langle 10^m$ etwa $10^m.5$ geschätzt [3] 04.884 $9^m.7$ geschätzt [4] Comes σ Orionis

Nr.	Gr.	A.R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zone oder Datum der Beobachtung	B.D.
31	9.2	6h 31m 50.s71	+3.s0254	+0.s0003	−2° 2′ 41.″6	− 2.″777	−0.″436	92.1	312	2° 1679
32	9.5	6 32 25.53	3.0083	+0.0003	2 47 5.4	2.828	0.433	91.2	223	2 1685
33	(9.5)[1]	6 53 32.95	3.0177	−0.0007	2 25 26.8	4.643	0.426	90.1	89	— —
34	9.5	6 54 3.74	2.9351	−0.0003	6 2 45.0	4.686	0.414	91.2	326	5 1898
35	(10)[2]	6 55 18.08	2.9529	−0.0005	5 16 19.2	4.792	0.416	90.1	110	— —
36	(10.11)[3]	6 57 48.80	+3.0009	−0.0008	−3 10 36.6	− 5.005	−0.422	90.1	89	— —
37	9.3	7 3 20.02	2.9633	0.0008	4 51 40.8	5.471	0.413	90.1	100	4 1832
38	9.1	7 7 11.64	2.9545	0.0009	5 16 46.3	5.795	0.410	89.1	21	5 2013
39	(9.7)[4]	7 8 34.94	2.9379	0.0009	6 1 23.9	5.911	0.407	91.2	223	— —
40	9.5	7 9 19.17	2.9868	0.0012	3 51 12.1	5.973	0.413	90.1	100	3 1807
41	(10.11)[5]	7 17 57.37	+3.0198	−0.0018	−2 24 21.4	− 6.690	−0.412	04.1	04.148	— —
42	(9.7)[4]	7 19 10.73	2.9724	0.0014	4 33 35.3	6.791	0.405	91.1	214	— —
43	9.4	7 22 36.61	3.0264	0.0020	2 7 14.9	7.072	0.410	92.2	332	2 2121
44	(9.5)	7 26 43.55	2.9480	0.0015	5 44 7.4	7.408	0.396	92.0	308	— —
45	9.5	7 26 58.47	2.9523	0.0015	5 32 25.1	7.428	0.397	92.2	320	5 2151
46	9.1	7 28 25.82	+3.0160	−0.0021	−2 37 12.2	− 7.547	−0.404	89.1	23	2 2174
47	9.4	7 29 48.94	2.9744	0.0018	4 32 54.7	7.659	0.398	92.0	308	4 2005
48	9.2	7 30 7.22	2.9735	0.0018	4 35 34.9	7.683	0.397	91.2	223	4 2009
49	9.4	7 30 32.10	2.9477	0.0016	5 47 9.2	7.717	0.393	92.2	333	5 2176
50	9.1	7 31 41.88	2.9837	0.0019	4 7 59.2	7.811	0.397	92.2	324	4 2016
51	(9.8)[4]	7 35 28.16	+2.9548	−0.0018	−5 30 26.6	− 8.114	−0.391	90.1	89	— —
52	9.5	7 36 15.56	2.9543	0.0018	5 32 21.2	8.177	0.390	90.1	89	5 2210
53	9.1	8 2 14.14	3.0154	0.0030	2 50 58.1	10.195	0.374	89.1	23	2 2434
54	9.6	8 35 16.34	2.9611	0.0025	6 7 5.0	12.570	0.331	92.2	333	5 2605
55	9.3	8 59 33.43	3.0167	0.0034	3 22 50.6	14.152	0.305	91.1	207*a*, R[6]	3 2557
56	9.4	9 25 24.86	+3.0196	−0.0030	−3 38 34.6	−15.661	−0.268	90.3	135	3 2696
57	9.5	9 25 57.12	3.0308	0.0033	2 52 53.4	15.690	0.268	91.1	207	2 2913
58	9.8	9 48 17.99	3.0420	0.0030	2 25 22.7	16.831	0.234	91.2	229	2 3002
59	9.3	9 59 40.68	3.0316	0.0022	3 30 42.9	17.351	0.214	91.2	224	3 2847
60	9.5	10 5 12.52	3.0130	0.0012	5 19 6.9	17.589	0.203	92.1	313	5 3004
61	9.7	12 26 3.63	+3.0847	+0.0057	−4 31 38.4	−19.923	+0.060	91.2	227	4 3295
62	8.9	14 12 4.57	3.1006	+0.0088	2 11 26.3	−16.813	0.254	05.4	05.397	1 414[7]
63	9.5	16 10 49.06	3.1498	+0.0081	3 42 51.5	− 9.196	0.412	89.5	42	3 3907
64	9.3	16 13 26.53	3.1954	+0.0085	5 51 38.4	− 8.991	0.420	89.5	43	5 4275
65	9.5	18 45 26.79	3.1156	−0.0008	1 52 19.2	+ 3.950	0.444	91.7	255	1 3573
66	9.2	18 49 29.83	+3.1798	−0.0014	−4 41 20.9	+ 4.297	+0.451	89.6	48	4 4623
67	9.4	19 14 54.58	3.1443	0.0027	3 14 11.8	6.438	0.431	91.7	255	3 4564
68	(10)	19 37 3.68	3.1995	0.0044	5 56 17.5	8.241	0.422	91.7	262	— —
69	9.7	19 39 43.51	3.1320	0.0037	2 47 57.5	8.453	0.410	89.5	44	2 5100
70	9.5	19 49 19.44	3.1348	0.0042	2 59 28.4	9.206	0.404	90.8	183	3 4745
71	9.2	19 57 22.28	+3.1474	−0.0047	−3 40 5.1	+ 9.826	+0.396	89.6	50	3 4770
72	9.3	20 14 34.20	3.1094	0.0047	1 53 16.5	11.109	0.373	90.6 91.0	163 252δ[8]	2 5238
73	—	20 15 17.87	3.1791	0.0059	5 28 9.9	11.162	0.380	91.6	252	— —
74	9.8	20 18 59.07	3.1768	0.0060	5 24 50.2	11.428	0.376	90.8	183	5 5259
75	9.3	20 21 44.30	3.1407	0.0054	3 34 21.7	11.626	0.368	90.8	191	3 4899
76	9.5	20 31 21.20	+3.1583	−0.0060	−4 38 7.9	+12.301	+0.358	89.5	41	4 5198
77	9.6	20 35 15.49	3.1083	0.0051	1 57 16.6	12.569	0.348	89.6	50	2 5329
78	9.5	20 44 40.41	3.1186	0.0055	2 36 31.4	13.200	0.337	90.8	189	2 5374
79	9.3	20 48 52.18	3.1466	0.0062	4 16 10.7	13.474	0.334	88.7	(9)	4 5293
80	9.3	20 51 17.51	3.1060	0.0053	1 56 41.9	13.630	0.326	89.6	56	2 5407

[1] Schätzung 05.129 [2] Schätzung 05.153 [3] Schätzung 06.274 [4] Schätzung 05.348 [5] Schätzung 06.290
[6] durch Anschluss am 6z. Refr. an 3° 2553 : 05.153 +16.s81 −1′ 43.″7 (m. A. 1900) [7] Schönfeld B. B. VIII [8] ½

Nr.	Gr.	A. R. 1900	Praec.	Var. saec.	Decl. 1900	Praec.	Var. saec.	Ep.	Zone oder Datum der Beobachtung	B. D.
81	9.6	$20^h 57^m 15^s.57$	$+3^s.1084$	$-0^s.0054$	$-2° 8' 0''.7$	$+14''.008$	$+0''.318$	88.7	(3ª)	2° 5429
82	9.3	20 58 9.93	3.1178	0.0056	2 42 25.5	14.065	0.318	88.8	(30)	2 5432
83	9.5	20 59 58.56	3.1124	0.0055	2 24 19.3	14.177	0.315	88.8	(30)	2 5445
84	9.3	21 1 22.24	3.1708	0.0070	5 57 36.6	14.264	0.319	89.6	53	6 5678
85	9.4	21 3 45.15	3.1620	0.0068	5 29 12.8	14.409	0.314	89.6	53	5 5482
86	(9.5)	21 4 53.53	+3.1051	—0.0054	—2 0 11.9	+14.478	+0.307	88.7	(3ª)	— —
87	9.5	21 9 41.59	3.1274	0.0060	3 27 33.5	14.766	0.302	89.7	68	3 5158
88	9.4	21 14 57.20	3.1249	0.0059	3 23 17.5	15.073	0.294	88.8	(38)	3 5177
89	9.3	21 28 13.63	3.1572	0.0070	5 52 6.8	15.813	0.276	88.7	(18)	6 5780
90	9.2	21 33 24.43	3.1344	0.0063	4 25 12.4	16.088	0.266	88.7	(18)	4 5502
91	9.1	21 43 56.63	+3.1057	—0.0053	—2 31 41.4	+16.621	+0.246	88.7	(19)	2 5641
92	9.3	21 44 33.78	3.1397	0.0065	5 8 31.6	16.651	0.248	88.7	(18)	5 5647
93	9.1	21 45 48.09	3.1286	0.0061	4 19 33.7	16.712	0.245	88.8	(26)	4 5555
94	9.2	21 46 6.53	3.1262	0.0060	4 9 4.6	16.726	0.244	88.7	(21)	4 5557
95	9.1	21 56 58.90	3.1196	0.0056	3 55 26.3	17.232	0.225	88.8	(26)	4 5599
96	9.5	22 3 54.95	+3.1231	—0.0057	—4 26 32.3	+17.534	+0.213	89.7	61	4 5619
97	9.3	22 13 1.59	3.1343	0.0062	5 51 0.9	17.907	0.198	88.8	(25)	6 5965
98	9.2	22 16 6.07	3.0992	0.0045	2 35 12.9	18.027	0.190	91.6	254	2 5739
99	9.3	22 22 51.58	3.0931	0.0040	2 7 31.1	18.278	0.178	88.7	(19)	2 5766
100	9.1	22 51 56.23	3.0890	0.0029	2 23 13.5	19.174	0.124	91.6	254	2 5856
101	9.3	22 58 32.23	+3.0830	—0.0023	—1 40 12.9	+19.335	+0.111	91.7	256	1 4384
102	9.7	23 20 40.55	3.0950	0.0032	5 34 27.5	19.758	0.069	88.8	(23)	5 5990
103	9.3	23 25 11.25	3.0918	0.0029	5 23 37.7	19.821	0.060	91.7	256	5 6002
104	9.3	23 28 33.39	3.0793	0.0009	2 3 1.3	19.864	0.053	90.8	184	2 5984
105	9.5	23 29 18.30	3.0792	0.0009	2 4 36.3	19.872	0.051	88.7	(12)	2 5988
106	9.2	23 42 44.39	+3.0777	+0.0006	—2 51 37.3	+19.995	+0.025	91.0	194	3 5706
107	9.7	23 48 13.10	3.0760	0.0002	2 42 40.2	20.026	0.014	88.8	(29)	2 6053

Anhang II.

Nachweis der Zonen für die mehr als viermal beobachteten Sterne und der Beobachtungszeiten für die Sterne, welche außerhalb von Zonen beobachtet sind.

(Der Jahresbruch ist auf die dritte Dezimale gegeben, um den Beobachtungstag festzustellen.)

Nr.	Zonen
1	(12) (22) 186ª 187 193
2	(12) (17) (29) 186ª 187 193
3	(37) (39) 186ª 187 193
4	(34) (δ ½) (42) 11 75 276
5	(17) (δ ½) (22) (29) 194 269
6	(12) (37) (δ ½) (39) 276 278
10	(5) (δ ½) (8) (δ ½) (37) (39) (42) 9 274
12	277 91.808
14	(17) (29) 274 91.808
19	(12) (22) 277 91.808
23	(37) (39) (42) 271 274
30	(12) (22) (δ 0) 11 75 277 279
31	(17) (29) 194 269 276
32	(5) (δ ½) (8) (δ ½) 9 273 279
35	(12) (22) 11 75 274 278
36	(5) (δ ½) (8) (δ ½) 9 273 276 279
37	(12) (δ ½) (22) (δ ½) 194 269 277
38	(34) (δ ½) (42) 271 273 277 279
39	(17) (29) 11 75 276 (δ ½) . 278
41	(5) (δ ½) (8) (δ ½) 9 271 273 276
43	(5) (δ ½) (8) (δ ½) 269 274 277
44	(12) (22) 194 271 279
46	(17) (29) 9 273 276
47	(12) (22) 11 75 276 279
49	(12) 11 75 277 279
51	(17) (29) 269 273 278
54	(22) 277 03.961
64	(37) (39) 271 274 279
66	(34) (δ ½) (42) 273 277 278
69	(37) (39) 11 75 277
70	(17) (29) (δ ½) 194 196ª 279
80	(34) (δ ½) (42) 194 196ª 278
83	(37) (39) (42) 276 279
87	(34) (δ ½) (37) (39) (42) 269 277
93	(17) (29) 269 273 277
94	(34) (δ ½) (42) 11 75 276
95	(37) (39) 194 196ª 271
96	(17) (29) 269 273 274 279
97	(37) (39) 194 196ª 271
99	(34) (δ ½) (42) 11 75 276 279
111	(34) (δ ½) (42) 11 75 276
112	(20) (24) 269 273 277 278
113	(34) (δ ½) (42) 194 196ª 269
114	(20) (24) 11 75 276 279
117	(20) (24) 11 75 277 279
118	(20) (24) 11 75 277 278
120	(37) (39) 194 196ª 271 273
125	(37) (42) 276 277 278
126	(20) (24) (δ ½) 11 75 276 279
127	(20) (24) 194 196ª 271
140	(20) (24) (δ ½) 194 196ª 271
141	(20) (37) 194 196ª 271
144	(20) (34) (δ ¼) (42) 11 276
146	(20) (24) 273 277 278
148	(34) (δ ½) (42) 194 196ª 278
149	(39) 194 196ª 271 273 279
151	(31) (37) 269 274 277
153	(34) (δ ½) (42) 11 75 276 279
155	(20) (24) 269 273 277
156	(31) (37) 269 273 278
158	(20) (24) 11 75 277 279
160	(31) (39) 194 196ª 278
165	(20) (24) 11 75 194 196ª
166	(34) (δ ½) (42) 269 276 277
200	(20) (24) 271 273 276
219	278 91.846
237	(31) 278 91.788
239	(20) (24) 196 197 277
293	(20) (½) (24) 276 279 280
294	192 274 03.961
296	(20) (24) 274 279 286
301	(20) (24) 274 279 282 288
316	(20) (24) 280 282 288
346	03.994 03.997
347	286 04.025
349	197 277 280 282 288
351	279 03.994
362	192 196ᵇ 91.846
389	192 196ᵇ (δ ⅓) 91.846
393	(33) (δ ½) 192 196ᵇ 91.846
433	192 196ᵇ 91.846
436	192 196ᵇ 91.846
445	(33) 196 197 289 291
447	(33) 4 196 197 288 289 291
456	280 03.994
457	(33) (α ¼) 4 286 289 291
468	291 03.997 04.025
479	(40) 192 196ᵇ 91.846
482	(40) 192 196ᵇ (α ½) 91.846
487	192 196ᵇ 91.846

Nr.	Zonen	Nr.	Zonen
489	200 03.994	749	(35) (43) 281 287 289 291
496	200 291 03.997	751	16 87^a 87^b 91 287
500	(27) 14 72 79 83	752	(35) (43) 83 87^a 87^b 91
503	(33) 4 192 196^b 288	754	(43) (½) 281 287 289 291
504	(27) (40) 03.994	755	(35) (43) (α ½) 94 198 201
505	72 289 03.997	758	14 16 72 76 79
506	(27) (δ ½) 14 79 83 289	759	87^a 87^b 91 198 201
518	(27) (40) 72 79 288 291	762	14 16 72 76 79
519	(27) (40) 192 196^b 289	794	(43) 87^a 87^b 88 288 (½)
528	(33) 286 (α ½) 03.994	803	87^a 87^b 88 281 287
532	196 197 03.997	804	(35) (43) 88 91 95 102
538	(27) (40) 14 79 288	807	(35) (43) 87^a 87^b 88 91 288 (½)
539	(27) (40) 14 72 79	810	16 95 102 198 281
551	(27) (40) 14 72 79	812	(35) (43) 83 91 288 (½)
567	197 289 03.994	829	91 04.025
571	(33) (½) 4 286 289 291	831	(43) 201 281 293^a (½) 293
572	(27) (40) 14 72 79 83	859	(35) (43) 87^a 87^b 88 294
574	(33) 86 192 286 291	879	87^a 87^b 88 94 (δ ½) 288 (½)
575	(27) (40) 4 83 86 291	897	105 287 04.025
584	4 03.994	898	16 76 83 91 94
595	(27) (40) 83 86 282	926	(41) (δ ½) 6 76 94 290
603	(27) (40) 14 72 79 83	939	105 04.025
608	(27) (40) 14 72 79 289	957	(41) 19 76 95 102
611	(33) 03.994	966	94 92.030
612	(27) (40) 14 72 79 83	974	6 94 198 201 287 293
648	(35) (α ½) (43) 14 16 72 79	976	80 82 87^a 88 105
657	14 (½) 72 (0) 79 (0) 03.994 03.997 (½)	987	293 04.025
661	(27) (40) 14 16 72 79	988	6 19 87^a 88 91 290
664	(27) (40) 14 16 72 79 94	989	(41) 6 88 91 290
665	(35) (43) 83 (δ ½) 87^a 87^b 91	993	2 18 91 95 102
667	(27) (40) 14 16 72 79	1000	87^a (½) 88 95 102 294
668	(27) (40) (δ ½) 87^a 91 93^a (½) 94 289	1024	80 82 194^a 203 206
669	(35) (43) 83 281 291	1030	2 18 91 (α ½) 04.041
671	14 16 72 79 93^a (½) 94	1032	80 82 194^a 203 206
672	(35) (43) 87^a 87^b 91	1033	(41) (δ ½) 6 19 198 201 293 294
674	(27) (40) 93^a (½) 94 282 287	1037	80 82 194^a 203 206
676	(27) (40) 14 16 72 79	1038	88 91 102 293 294
678	87^a 87^b 91 200 282	1039	201 04.025
682	(27) (40) (δ ½) 14 16 72 79 289	1046	80 82 194^a 203 206 293
683	(35) (43) 83 93^a (½) 94 282	1069	293 04.025
684	(27) (40) 4 93^a (½) 94 282 287	1090	20 04.041
685	(35) (43) δ 16 87^a 87^b 91 287	1091	(41) 80 82 195 (δ ½) 208 296^a (½)
686	(35) (½) (43) 14 72 79 289	1107	(41) 102 105 290 293 294
687	(27) 4 83 93^a (½) 94	1115	19 107^a 111 290 294
689	(27) (40) 93^a (½) 94 287 291	1151	12 20 194^a 203 206
691	(35) (δ ½) 87^a 87^b 91 289	1152	04.025 04.041
698	(27) (40) (½) 93^a (½) 94 287 291	1190	111 294 296 93.033
713	14 16 79 87^a 87^b 91 289	1194	296 93.044 04.041
725	(35) (43) 14 16 79 87^a 87^b 91 289	1215	6 19 24 107^a 111
728	14 16 76 79 87^a 87^b 91	1232	6 19 24 107^a 111
734	(35) (43) 83 198 201	1253	113 295 296 93.033
737	76 93^a (½) 94 289 291	1256	208 04.153
738	(35) (δ ½) (43) 87^a 91 198 201	1261	290 04.041
741	87^a 87^b 91 198 201	1275	12 20 04.041
743	14 16 72 76 79 289	1300	20 04.041
745	(35) (α ½) (43) (α ½) 281 287 291	1319	295 297 299 93.033
748	14 16 72 76 79	1320	7 24 93 114 116

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1321	111 297 303 93.044
1336	7 24 93 114 116 297
1342	7 24 93 114 116
1353	296 93.033 04.041
1368	7 24 04.101
1374	7 24 93 297a 302
1390	113 294 296 299 302
1393	13 213 297 301 303
1396	203 206 296 297 299 93.044
1434	7 24 93 114 116
1444	195 208 294 297 303
1446	7 24 93 116 305
1454	113 295 299 305 93.033
1474	296 297 299 301 302
1484	306 04.041
1489	301 04.101
1510	301 04.153
1517	296 299 301 302 305
1528	306 04.041
1546	15(δ ½) 297 03.997
1557	73 81 04.041
1570	7 24 85 106 307^{a}
1586	297 302 307^{a} 307 312
1591	85 03.997
1592	7 24 93 114 116
1593	106 04.153
1603	7 24 93 116 120
1609	299δ(½) 303 93.014 03.994
1619	13 81 113 316 93.014a
1633	7 24 85 106 120
1634	15 299 92.183
1638	307 03.997
1643	213 03.994
1647	297 04.041
1651	92.991 04.153 04.167
1652	307^{a} 311^{a} 92.170
1653	15 04.156
1654	24 04.156
1658	306 04.101
1661	93.077 04.153 04.172
1671	309 92.183
1673	320 95.104 04.175
1674	320 03.997
1676	92.183 93.170 04.167 04.172(½)
1677	92.156 316
1678	299 311^{a} 92.178
1679	92.170 92.178 323
1681	306 92.991 04.156
1685	92.156 92.170
1688	306 95.099
1691	92.156 92.183 04.041
1695	301 95.109 03.994
1696	15 93 93.077
1698	299 92.178 92.991
1707	297 305 92.170
1714	297 309 92.183
1723	10 93 116 120 301 311^{a} 312
1726	299 305 92.170 316
1738	13 81 297 307 316
1740	303 306 03.994
1767	10 13 81 297 306
1777	297 305 92.170
1779	299 303 92.183
1782	297(δ ½) 305 92.170 316
1784	299 302 92.170
1793	10 04.167
1795	13 17 81 297 301
1797	15 106 297 299 301
1799	10 93 98 107 116 120 312 316
1801	13 73 81 87 97δ(½)
1803	15 212 213 301 305
1804	98 107 297 299 303
1811	10 93 98 107 116 120
1812	13 17 73 81 297
1815	15 93 116 120 93.014
1817	299 311^{a} 312 93.014
1828	93 04.175
1843	120 04.153
1854	303 307(δ ½) 04.041
1864	309 03.997
1874	10 84 93 96 116 120
1880	5 17 22 98 107
1915	03.997 04.041 04.156
1924	301 04.153
1928	15 87 93 97 116
1930	297 305 04.167
1931	10 306 04.175
1942	97 04.041
1943	5 03.997 04.153
1950	10 85 93 106 116
1952	17 98 107 307 312
1955	15 04.167
1970	15 301 04.175
1976	10 93 116 121 215
1978	5(δ ½) 22 87 97 309
1987	15 98 107(δ ½) 121 215
1992	323 04.041
1993	297 309 04.153
2009	108 93.030 04.156
2014	103 04.167
2035	10 103 108 121 215
2055	121 04.153
2078	98 103 107 108 120 323
2091	17 218 220 300(½) 306
2095	5 22 84 121 215
2109	92.156 320 323
2120	92.156 316 323
2131	5 87 97 312 323
2145	17 218 223 300 309 320
2157	17 300(δ ½) 93.030
2160	04.153 04.156
2161	316 04.167
2164	96 98 103 107 108 312 320
2191	218 220 300 304 312 320

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2195	98 106 107 121 215	3193	328 04.167
2202	318 04.156	3218	327 330δ(½) 92.257
2206	04.153 04.172	3220	325 330δ(½) 04.148
2217	5 300 93.030	3226	327 337 92.257
2219	87 97 103 108 316	3229	327 337 92.257
2220	304 04.167	3249	330 04.148
2272	87 97 98 107 121 215	3259	327 04.153
2281	98 107 220 318 320	3312	324 04.148
2318	218 220 223 298 300 93.030	3344	101 124^{a} 130 132^{a} 90.257
2320	89 04.167	3356	90(δ ¼) 99(δ ¼) 04.148 04.153
2321	98 107 112 204 216	3362	101 124^{a} 130 132^{a} 328
2357	89 97 100 103 108	3367	101 314 04.153
2358	87 89 97 100 103 108	3427	92 104 04.148
2368	300 93.030 93.131 93.170 93.219 95.109 04.167	3430	124 314 04.153
2387	84 96 04.156	3493	92 104 04.148
2397	204 216δ(½) 04.153	3519	217 04.153
2405	204 216δ(½) 04.156	3526	115 04.148
2407	87 97 100 121 215	3562	126 209 211 217 228 231^{a}(½)
2424	220 04.167	3624	126 209 211 217 228
2453	323 04.153	3629	04.148 04.153
2456	103(a ½) 108 04.172	3652	124 209 211 228 231^{a}(½)
2458	112 04.172	3661	90 04.200
2461	118 04.156	3665	327 04.153
2479	122 04.167	3685	101 126 209 217 231^{a}(½)
2522	97 300(δ ½) 04.172	3693	327 04.200 05.249
2554	23 89 100 103 108	3698	04.153 04.200
2583	23 103 108 218 220 223 300 311 320	3701	04.148 04.276
2640	92.156 324	3724	229 04.276
2646	23 89 100 322 323	3764	04.148 04.153
2647	92.156 322 04.156 04.167	3767	123^{a} 135 92.266
2667	311 04.156	3768	124 211 217 224 228 229 231^{a}(½)
2668	103 04.167	3787	109 122^{a} 126 209 231^{a}(½)
2708	308 04.167	3800	209 04.200
2712	92.156 322	3801	115 04.148
2723	204a 216 04.148	3805	313 04.276
2747	310 04.156	3834	313 04.153
2769	04.148 04.167	3839	332 92.266 04.200
2775	23 92.156 323	3844	217 04.153
2784	328 04.167	3846	109 122^{a} 219 232 233
2790	308 310 04.172	3867	126 04.148
2823	92.156 325	3879	217 92.266 04.200
2825	92.156 322	3883	332 04.148
2847	89 100 04.167	3901	119 217 332 92.266
2848	23 310 04.167	3905	336 04.153
2935	89 100(δ ½) 04.148	3906	109 122^{a} 135 92.266
3000	110 308 322 04.167	3908	135 92.266 04.200
3006	110 04.167	3931	04.148 04.153
3012	92 104 04.172	3939	313(a ½) 336 04.153
3023	23 130 132^{a}a 323 328 333	3948	119 219 92.266 92.268
3027	04.153 04.172	3960	119 219 92.266 92.268
3035	04.148 04.167	3971	04.148 04.153
3107	322 04.148	3985	119 313 92.266 92.268 04.200
3109	323 04.172	3997	119 219 92.268
3110	308 04.153	4002	119 313 92.268
3115	322 04.167	4032	137 04.200
3150	04.148 04.167	4050	119 219 313 92.266
3151	04.153 04.172	4051	119 313 92.266

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4090	119 123 125 133 137
4119	125 137 232 233 319
4124	26 219 224 232 233
4137	321 92.348 04.200
4145	337 04.276
4147	334 92.348 04.200
4150	319 04.153
4169	26(δ ½) 219 04.153
4177	04.153 04.200
4178	26 224 232 317 319
4180	219 224 232 233 317
4191	26 119 219 232 233
4251	25 119 125 137 315
4276	25 128 138 225 317
4277	26 04.200
4293	128 04.276
4298	138 04.200
4301	133 04.200
4336	04.200 04.276
4366	321 338(½) 04.276
4368	25 27 138 338 340
4369	27 128 145 338 340
4376	138 04.200
4377	321 338(½) 04.279
4450	04.200 04.276
4451	27 137 143 222 225 321
4453	04.279 04.342
4509	127 132 04.279
4547	141 05.249
4548	141 231 234 236^a 331 04.279
4577	143 231 234 236^a 236
4587	129 136 234 236^a 236
4589	150 222 234 236^a 236
4615	127 132 146 152 234 236^a 236
4616	143 222 225 227 231
4625	145 227 230 231 234 236^a 236
4630	145 146 152 227 231
4633	143 148 150 222 231
4640	227 230 234 236^a 236
4641	146 153 234 236^a 236
4653	143 222 225 234 236^a 236
4658	129 136 234 236^a 236
4660	129 136 04.279 04.375
4664	143 146 152 222 230 231
4674	129 136 234 236^a 236
4676	143 222 225 227 230 231
4682	148 150 234 235 236^a 237
4689	150 230 231 234 235 236^a 236
4694	227 234 235 236^a 236
4706	146 152 234 235 236^a 236
4708	230 234 235 236^a 236
4709	230 234 235 236^a 236
4715	227 234 235 236^a 236
4720	129 136 227 231 234 235 236^a 236
4739	129 136 234 235 236^a 236
4751	129 136 234 235 236^a 236
4757	129 136 234 235 236^a 236
4765	129 136 234 235 236^a 236
4792	148 150 230 235 236
4814	148 150 230 235 236
4822	92.375 04.342
4825	148 150 227 235 236
4827	146 152 227 235 236
4838	148 150 230 235 236
4882	30 134 146 152 227 335
4893	30 131 134 146 152
4899	30 131 134 235 236
4906	30(δ ½) 131 134 235(δ ½) 236
4907	33 131 134 227 230
4932	134 04.348
4939	30 336 339 340(δ ½) 341
4965	30 131 134 235 236
4967	33 140(δ ½) 142 235 236
4986	33 154 339 341 345
4992	33 154 235 236 239
4994	30 131(δ ½) 134 235 236
5019	33 131 134 342 345
5021	30 131 134 235 236
5027	30 154 235 236 239
5028	154^a 237 341 342 345
5037	154^a 04.353
5053	154 239(α ½) 04.397
5077	154^a 235 236 237 341 344
5083	339 04.370
5088	144 04.353
5090	139 144 154 342 345
5099	33 131 134 235 236
5134	156 238(δ ½) 04.353
5149	33 154^a 237 343 345
5160	154 04.353 04.370
5174	154^a 156 235 236 237 238
5179	33 154^a 235 236 237
5227	154^a 235 236 237 240 241
5230	139 144 154 235 236 239 240 241
5233	154^a 235 236 237 240
5242	154 235 236 239 240 241
5266	154(δ ½) 239 05.397
5278	144 04.353
5287	29 139 343 344 346
5312	28 04.370
5317	240 04.353
5318	139 144 154 239 240 241 245 246
5319	32 04.364
5345	159 160^a 160 240 241
5352	28 32 159 160^a 160
5355	29 159 160 245 246
5356	28 32 159 160^a 160
5370	28 32 159 160^a 160 240 241
5377	29 93.315 93.408 04.370
5393	28 32 156 240 241
5394	245 246δ(½) 04.370
5400	245 246δ(½) 04.364
5403	28 32 159 160 347
5408	245 246δ(½) 04.411

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5410	159 160^{a} 160 240 241
5412	245 246δ(½) 04.370
5414	245 246δ(½) 04.353
5419	245 246δ(½) 04.364
5420	159 160^{a} 160 347 349
5424	245 246δ(½) 04.353
5428	245 246δ(½) 04.353
5429	245 246δ(½) 04.370
5430	159 160^{a} 160 334 348
5437	245 246δ(½) 04.353
5441	147 153 92.490
5442	350 04.370
5446	344 92.501 04.411
5448	348 92.490
5449	245 246δ(½) 04.364
5452	28 32 147 153 240 241
5453	149 151 158 240 241
5455	245 246δ(½) 04.353
5458	28 32 159 160^{a} 160
5462	28 32 149 151 158
5464	159 160 240 241 347
5473	28 32 149 151 158 240 241
5474	149 151 158 245 246
5484	28 32 149 151 158
5489	159 160^{a} 160 245 246
5496	159(δ ½) 160^{a} 160(δ ½) 240 241
5512	29 149 151 158 346
5516	149 151 158 240 241 242
5520	42 147 153 240 241 242
5523	149 151 158 240 241 242
5537	160 04.364
5548	42 159 160^{a} 160 240 241 242
5558	42 159 160^{a} 160(δ ½) 350
5562	42 04.364
5584	149 151 240 241 242
5590	43 149 151 158 240 241 242
5598	31 38 149 151 158
5603	46 159 160 240 241 242
5607	43 350 04.370
5611	46 04.364
5619	31 38 159 160 240 242
5623	349 04.370
5625	46 349 04.443
5626	244δ(½) 346 04.364
5627	04.411 04.443
5628	244δ(½) 346 04.411
5630	244δ(½) 347 04.364
5634	31 38 149 151 158
5639	46 244δ(½) 04.370
5641	244δ(½) 346 04.364
5642	31 38 149 151 158 159 160
5644	42 04.411 04.443
5647	43 149 151 158 240 242
5661	42 244δ(½) 04.364
5663	43 244δ(½) 04.411
5667	42 149 151 158 240 242
5668	46 147 153 240 242
5672	42 149 151 158 159 160
5674	42 43 147 153 244a
5677	31 38 159 160 244
5679	42 147 149 151 153 158
5680	46 244δ(½) 04.364 04.443 04.468
5686	31 38 149 151 158
5690	31 38 147 153 240 242
5692	42 149 151 158 240 242
5708	46 350 92.416
5709	46 93.408 93.463 04.370
5710	46 92.416
5729	31 42 155 240 242
5731	43(α ½) 349 04.370
5754	348 349 92.416
5755	346 93.452 93.548 04.370
5758	350 92.512
5759	348 92.416
5761	346 93.413 93.463 04.411
5764	346 92.416
5765	31 38 155 240 242
5781	46 244 04.370
5792	244 04.370
5814	46 155 04.411
5833	155 248 04.411
5834	34 40 155 240 242
5843	155 244 249 250^{a} 348
5852	49 157 249 250^{a} 251
5855	34 40 249 250^{a} 251
5869	155 04.443
5871	155 244 249 250^{a} 348
5873	155(δ ½) 247 249 250^{a} 348
5882	(1) 35 41^{a}(½) 47 162
5884	(1) 35 41^{a}(½) 47 161
5885	155 249 250^{a} 253 348
5886	40 04.443
5894	(1) 35 41^{a}(½) 47 247
5895	49 155 249 250^{a} 251
5896	34 40 162 249 250^{a} 251
5902	(1) 35 155 253 348
5905	155 247 249 250^{a} 348
5909	(1) 35 41^{a}(½) 47 162
5911	(1) 35 41^{a}(½) 47 162
5915	157 04.443
5921	(1) 35(α ½) 41^{a}(½) 47 161
5922	157 04.443
5932	(1) 35 41^{a}(½) 47 155
5940	34 40 04.443
5941	(1) 35 41^{a}(½) 47 162
5945	(1) 35 41^{a}(½) 47 157 161
5962	49 157 04.443
5963	34 40 249 250^{a} 251
5965	(1^{a})(½) (2)(δ ½) 34^{a}(½) 155 248
5968	(1^{a})(½) (2)(δ ½) 34^{a}(½) 36(δ ½) 161 92.517
5969	49 162 04.443
5972	(1) 35 41^{a}(½) 47 162
5974	(1^{a})(½) (2)(δ ½) 34^{a}(½) 36 249 250^{a} 251
5976	(1^{a})(½) (2)(δ ½) 34^{a}(½) 36 161 253 92.517

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5978	(1^{a})(½) (2)(δ ½) 36 157 253 348
5979	(1) 35 41^{a}(½) 47 161 162
5980	34 244 253 92.517
5981	(1^{a})(½) (2)(δ ½) 34^{a}(½) 36 157 162 248
5985	(1^{a})(½) (2)(δ ½) 34^{a}(½) 36 249 251
5991	247 253 92.641
5992	249 250^{a} 251 92.564
5997	162 92.517
6000	04.443 04.457
6001	92.517 92.564 92.641
6003	157 251 92.564
6004	161 253 351 92.641
6005	247 249 250^{a} 92.517
6007	(1^{a})(½) (2)(δ ½) 34^{a}(½) 161 253 348
6008	34(α ½) 162 249 250^{a} 251
6009	(1) 04.443
6011	(1^{a})(½) (2)(δ ½) 34^{a}(½) 36 157 162 248
6015	(1^{a})(½) (2)(δ ½) 36 157 162 251
6017	(1^{a})(½) (2)(δ ½) 36 162 251
6023	(1^{a})(½) (2)(δ ½) 34^{a}(½) 244 253 351
6033	49 92.564
6034	249 250^{a} 92.641
6037	47 161 350 92.517 04.493
6038	04.443 04.457
6039	268 92.517
6040	251 92.564
6041	249 250^{a} 92.641
6054	(2)(δ ½) 36 157 249 250^{a} 253
6059	45 60 249 250^{a} 251
6063	(2)(δ ½) 36 157 249 251
6068	(2)(δ ½) 36 247 249 251
6070	49 60 04.457
6079	(2)(δ ½) 36 157 253 92.517
6084	(2)(δ ½) 36 157 249 251
6105	(2)(δ ½) 36 45 60 162 251
6106	49 161 244 255^{a} 255
6122	244 253 92.517
6128	(2)(δ ½) 36 161 253 255^{a} 255
6131	49 162 92.564
6143	255^{a} 255 92.564
6144	255^{a} 255 92.564
6149	351 92.564
6154	351 04.457
6156	162 253 92.641
6157	(2) 04.493
6158	45 04.457
6172	(2)(δ ½) 36 161 253 92.641
6179	161 253 92.517
6185	162 253 92.517
6192	162 253 92.517
6194	(2)(δ ½) 36 253(α ½) 92.517
6196	162 04.457 04.493
6203	(2)(δ ½) 36 253 92.517
6215	262 92.564
6217	247 04.457
6229	36 92.641
6231	272 92.641
6232	351 92.564
6238	268 04.457
6241	264 92.641
6245	255 04.457
6248	266 92.641
6258	60 253 92.641
6272	272 92.641
6285	264 04.457
6288	92.564 92.641
6294	264 92.641
6296	266 92.641
6306	253 266 92.641
6312	268 92.641
6314	253 266 92.641
6334	264 04.457
6342	253 264 92.641
6352	61^{a}(½) 65 253 92.641
6361	45 60 61^{a}(½) 268 351
6365	60 04.457
6369	45 04.457
6389	351 92.564
6391	266 92.641
6394	264 04.457
6398	65 93.419 93.605
6406	268 04.515
6410	61^{a}(½) 65 253 92.641
6419	61^{a}(½) 253 92.641
6420	58 04.457
6430	266 92.641
6436	266 92.641
6444	253 266 92.641
6475	268 93.419 93.605
6476	61^{a}(½) 65 93.602 93.619
6485	44 61^{a}(½) 92.564
6487	37 37^{a}(½) 39 173^{a} 173(α ½)
6490	48 243 247^{a}(½) 257 264
6499	65 04.457
6519	167 04.457
6521	169 04.457 04.515
6533	48 58 63 175 179
6538	48(α ½) 57 58 173^{a} 173(α ½) 255
6541	48 04.512
6554	48(½) 57 58 63(½) 173^{a} 173(α ½)
6586	173^{a} 173(α ½) 258 262 266
6587	268 04.515
6593	48(α ½) 63(α ½) 04.512
6646	37 39(α ½) 175 179 264
6649	57 58 176δ(½) 181 266
6658	175(δ ½) 179 04.515
6662	48 63 04.512
6685	48 63 175 179 181 185
6688	39 04.512
6700	264 93.619 93.753
6704	268 93.652 93.676
6706	37(δ ½) 262 04.775(δ ½)
6711	262 93.657 93.698
6713	93.627 93.704

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6714	268 93.649 04.512	6986	252δ(½) 270 04.679
6717	39(½) 266 93.679 93.802	6991	252δ(½) 270 04.537
6718	262 93.660 93.783	6995	185 248^{a} 91.819
6719	93.632 93.715	7006	(7)(δ½) (11) 69(α½) 173^{a} 173 252δ(½)
6720	93.624 93.706	7009	50 51 167 169 183 272
6721	93.621 93.717	7010	248^{a} 250 91.819
6724	275 93.663 93.668	7013	(7) 69 176 179 181
6726	262 93.652 93.778	7015	165 166 91.821
6728	268 93.676 93.799	7018	(9) (14) 68 186 191
6729	266 93.602 93.613	7021	(7) (11) 69 175 179
6730	93.630 93.698	7030	(7) (11) 69 175 179
6734	264 93.657 93.704	7036	(9) 68 167 169 183
6738	264 93.605 93.619	7041	50 51 176 179 181
6740	65 185 04.515	7043	(7) (11) (14) 68 173^{a} 173 252
6741	257 04.512	7046	41 67 176 179 181
6742	48 63 173^{a} 173 272	7051	(7) (11) 69 167 169 183
6751	48 57 58 63 185	7052	(9) (14) 68 189 252
6752	41 67 04.775	7057	(9) (14) 68 176 179 181
6768	41 67 169 175 179	7058	(7) (11) 69 167 169 183
6772	57 04.512	7062	290 91.824
6779	44 57 58 65 185	7064	186 04.679
6785	44 57 58 65 176 181	7077	165 166 248^{a} 91.819
6786	41 48 63(½) 175 179	7092	(7) (11) 69 186 191
6796	48 57 58 63 175 179	7093	(9) (14) 68 175 179 261
6808	48 57 58 63 185	7098	(7) (11) 69 176 181
6815	48 57 58 176 181	7099	(9) (14) 68(α½) 165 166
6819	44 65 173^{a} 173 258	7109	(7) (11) 69 175 179
6826	41 67 04.775	7120	185 270 04.537
6832	41 67 04.515	7131	(4)(δ½) (6) 163 252 261
6841	262 93.652 93.676	7132	(7) (11) 41 67 69 167 169 183
6842	257 04.512	7133	(9) (14) 68 164 171
6843	268 04.679	7134	50 51 56 64 185
6860	41 67 173^{a} 173 258	7143	(7) (11) 69 163 252
6885	50 175 176 179 181	7146	(9) (14) 68 186 191
6897	50 04.515	7149	51 56 64 189 290
6905	167 169 182^{a} 183 185	7151	(7) (11) 69 186 191
6911	175 179 186 191^{b}(½) 268 275(½)	7155	(9) (14) 68 165 166
6913	41 67 173^{a} 173 185	7159	(9) (14) 68 186 191
6915	50 51 173^{a} 173 275	7161	(7)(δ½) (11)(δ½) 55 69 189
6920	41 67(α½) 04.515	7162	(28) 53 165 166 248^{a} 270
6933	272 275(α½) 04.515	7167	(9)(δ½) (14)(δ½) 68 165 166
6934	275 92.821	7169	(7) (11) 55 69 183
6935	272 93.652 93.676	7171	(4) (6) 50 51 165 166
6937	258 04.537	7174	(7)(δ½) (11) 69 164 171 261
6944	248^{a} 275 91.821	7175	(9) (14) 55 68 164 171 261
6947	50 91.819	7176	(38) 50 51 56 64 185
6953	41 67 175 176 179 181	7179	(4)(δ½) (6)(δ½) 165 166 248^{a} 91.819
6955	50 51 173^{a} 173 261	7180	(9) (14) 68 186 191 252
6956	41 67 164δ(½) 171 175 176 179 181 185	7188	(36) (38) . 185 248^{a} 91.819
6959	41 67 173^{a} 173 250	7189	(4) (6) 165 166 272
6961	164δ(½) 171 175 176 179 181 185	7190	(7) (11) 69 163 250
6963	50 51 173^{a} 173 250	7193	50 51 56 64 252
6964	50 167 169 182^{a} 183	7198	(4)(α½) (6)(δ½) 163 250 261
6965	41 67 165 166 175 176 179 181	7199	(7) (11) 69 164 171 252
6967	163 164δ(½) 252 258 261	7200	(36) (38) 165 166 270
6968	50 51 173^{a} 173 186	7203	(9)(δ½) (14) 68 186 191
6977	50 165 166 248^{a} 04.515 04.537	7204	(7) (11) 69 185 252

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7205	(28) (36)(δ ¼) 55 165 166 250 272
7210	(7)(δ ½) (11) 69 164 171 252
7212	(4) (6) 165 166 283
7214	50 51 56 64 185
7217	(9) 186 91.819
7220	252 04.537
7224	252 91.819
7236	(3^a)(½) (4) (6) 261 270
7238	(7) (11)(δ ½) 55 69 183
7240	(36) (38) 164 248^a 91.819
7242	(36) (38) 165 166 171 91.819
7244	(7) (11) 55 69 190
7246	(3^a)(½) (4) (6) 261 272
7248	(7) (11) 55 69 190
7258	(3^a)(½) (4)(δ ½) (6)(α ½) 252 272
7260	(7)(α ½) (11) 69 165 166
7263	(9) (14) 68 252 261
7266	(3^a)(½) (4) (6) 189 270
7270	(3^a)(½) (4)(½) (6)(½) 164 171
7271	(28)(½) 53(½) 55 165 166
7275	(3^a)(½) (4)(δ ½) (30) 56 64 189 261
7278	(7) (11) 69 165 166
7279	(28)(δ ½) 55 164 171 250
7281	(14) 04.679
7282	(3^a)(½) (4) (6) 186 191
7283	(30) 56 64 183 189
7293	(36) (38) 68 164 171
7296	(3^a)(½) (4) (6) 165 166 270
7305	(7)(δ ¼) (11) 69 163 250
7312	(3^a)(½) (4) (6)(δ ½) 190 261 270
7313	(30) 56 64 163 252
7321	163 261 04.537
7330	(9) (14) 64 252 270
7335	(7) (11) 55 69 189
7337	(3^a)(½) (4) (30) 186 191
7340	(7) (11) 69(α ½) 189 285
7344	(3^a)(½) (4) (6) (30) 164 171
7347	(38) 171 186 191 285
7349	(7) (11) 55 69 183 252
7351	(3^a)(½) (4) (6)(α ½) 250 270
7352	(16) (26) 71 166 285
7354	(11)(α ½) 69 186 191 261
7356	(16) (26) 74 77 183
7359	(9)(δ ½) (14) 68 165 166
7360	(3^a)(½) (4) (6) 186 191 252
7361	(7) (11) (28) 69 164 171 252
7362	(9) (14) (28) 55 68 165 166
7363	(3^a)(½) (4) 186 191 270
7364	(30) (38) 64 163 250
7365	(16) (26) 71 74 77 183
7366	(7) (11) 69 164 171 252
7368	(9)(δ ½) (14) 55 68 183
7370	(16) (26) 71 74 77
7372	(4) (6)(δ ½) 164 171 270
7373	55 250 04.679
7374	(9) (14) 68 165 166
7377	189 04.537
7380	(3^a)(½) (4) (6) 270 285
7383	190 04.537
7385	(30) 56 64 164 171
7389	(9)(δ ¼) 68 77 191^a 260
7391	(30) 55 56 64 189
7395	(16) (26) 71 74 77
7399	(30)(¼) 56 64 165 166
7401	(28) 53 164 171 261
7402	(16) (26) 71 77 191^a 260
7403	(9)(δ ½) 68 250 252 267 270
7404	(11) (26) (36)(δ ½) (38) 55 69 263
7405	(30) 56 64 190 285
7406	(3^a)(½) (4) 165 166 186 191 283
7407	(7) (16) 71 74 77 259
7408	(9) 68 164 171 252
7409	(11) (28) 53 69 189 250
7410	(36) (38) 68 165 166
7411	(3^a)(½) (4) 164 171 250 267
7412	(9)(α ½) (11) 69 189 259
7413	(16) (26)(δ ½) 71 74 77 252
7414	(36) (38) 186 191 285
7415	(6)(α ½) (30) 56 64 190
7419	(16) (26) 71 74 77
7421	(3^a)(½) (4)(α ½) (30) 190 267
7423	(30) 56 64 191^a 260
7429	(36) (38) 164 171 252
7431	(4) (6) 189 265 267 270
7435	(36) (38) 164 171 252
7436	(30) 56 64 191^a 260
7438	(3^a)(½) (4) (6) 250 265 267 270
7439	(16) (26) 71 74 77 259
7441	(16) (26) 71 77 190
7443	(3^a)(½) 4 (6)(δ ½) 250 267
7447	252 04.537
7453	259 91.824
7456	285 91.824
7462	252 04.537 04.679
7466	(16) (26) 71 74 77
7470	(16) (26)(½) 71 74(α ½) 77 263
7474	(16) (26) 71 74 252
7477	(30) 56 64 259 260
7483	(16) (26) 71 263 265 285
7485	(30) 56 64 190 259
7487	(16) (26) 71 74 77 285
7490	(28)(½) 250 252 270 283
7491	(4) (6) 191^a 260 270
7492	(16) (26) 71(α ½) 74 77
7493	(30)(δ ½) 56 64 190 263
7496	(4)(δ ½) (6)(δ ½) 191^a 260 270
7499	(16) (26) 71 74 77 252
7501	(4) 259 263 267 283
7502	(30) 56 64 189 285
7504	(16) (26) 71 74 77 252
7505	(4) (6) 191^a 260 265
7510	(4) (30)(δ ½) 56 64 250
7523	91.783 91.824
7524	(38) 91.783 91.824

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7525	(16) (19)(δ½) 21(δ½) 71 77 285
7529	(18) 52 260 04.537
7535	265 91.783
7536	285 91.824
7538	(16) (26) 71 74 77
7543	(15) (32)(δ½) 56 189 265
7546	(16) (26) 54 59 71
7552	(15) (32) 54 56 59
7557	(16) (26) 71 74 77 285
7558	(19) (21) 263 265 283
7563	(16) (26)(α½) 71(α½) 74 77
7564	(36)(δ½) (38) 54 59 265
7569	(16) (26) 71 74 77 285
7570	(19)(δ½) (21) 54 59 265
7572	(15) (32)(δ½) 56 189 283 285
7575	(16) (26) 71 74 77
7581	(16) (26) 54 59 71
7587	(16) (19) (21) 71 74 77
7590	(15) (32) 54 59 285
7591	(18) 189 04.537
7592	(16) (19) 71 74 77
7599	(15) (32) 54 56 59
7600	(16) (19) (21) 71 74 77
7604	(16) (19) (21)(δ½) 71 260
7609	(16) (19) (21) 71 74 77
7620	(15) (16) (32) 71 74 77
7625	(18) (25)(δ o) 52 74 254
7626	(19) (21)(δ½) 188 192^{a} 283
7628	(15) (32) 54 56 59
7632	(18) (25) 52 260 265 267
7633	(15) (16) (32) 54 56 59 71 74 77
7634	(19) (21) 188 192^{a} 265
7636	(19) 188 192^{a} 265 285
7638	(15) (16) (32) 54 56 59 71
7645	(15) (16) (32) 54 59 71 77 254
7647	61(α½) 190 04.537
7650	61(α½) 190 04.537
7652	(16) (21) (26) 71 260
7660	(16) 71 74 77 254
7661	3 78 166^{a} 174 190
7664	(15) (32) 188 192^{a} 283
7665	(16)(δ½) (19)(δ½) (21)(δ½) 71 74 77 254
7666	(18) (25) 3 52 78(δ o) 166^{a} 174 260
7670	(16) (26)(δ½) 71 74 77
7671	(15) (32) 54 56 59
7676	(16) (19) 71 74 77 254
7677	(18) (25) 3 78 166^{a} 174 260(δ½)
7678	(15) (32) 54 56 59 259
7679	(18) (25) 52 260 265
7680	(16) (19)(δ o) (21) 71 74 77 254
7681	(26) 3 78 166^{a} 174 190
7682	(15) (32) 54 56 59
7683	(18) (25) 52 188 192^{a}
7686	(16) (19) (32) 71 74 265 267
7688	(15) (32) 54 56 59 254
7689	(18) (25) 3 52 78 166^{a} 174 259 260
7691	(16) (19) (21)(δ½) 71 74 77
7692	(15) (32) 54 56 59 254
7693	(18) (25) 3 78 166^{a} 174 190 267
7696	(16) (19) (21) 71 74 77
7697	(15) (32) 56 190 263
7698	(18) (25) 3 52 78 166^{a} 174δ(½) 259 260
7699	(26) 188 192^{a} 254 265
7700	(19) (21) 188 192^{a} 265
7701	(18) (25) 3 260 283
7702	(15) (16) (32) 71 74 77
7713	(19) (21) 188 192^{a} 292
7715	(18) (25) 52 190 263
7716	(15) (32)(δ o) 177 180 259
7718	(18) (25) 3 78 166^{a} 174δ(½) 177 180
7719	(15) (32) 54 59 254
7722	(18) (25) 3 52 78 166^{a} 174δ(½) 190
7729	(19) (21) 3 78 166^{a} 174δ(½) 190
7732	(18) (25) 52*a* 260 265
7733	(19) (21) 188 192^{a} 283
7734	(18) (25) 3 78 166^{a} 174δ(½) 190
7735	(15) (32)(δ o) 54 59 254
7736	(18) (25) 3 52 166^{a} 174δ(½) 177 180
7737	(19) 192^{a} 254 259 284
7740	(15) (32) 54 59 259
7744	(18) (25) 3 78 166^{a} 174δ(½) 190
7745	(15) (32) 54 59 259 284
7746	(19) (21) 254 260 265
7748	(18) (25) 3 78 166^{a} 174δ(½) 190
7749	(15) (32) 54 59 177 180
7750	(15) (32) 259 260(δ½) 267
7751	(19) (21) 177 180 254
7752	(18) (25) 3 78 166^{a} 174δ(½) 190
7754	(15) (32) 188 192^{a} 283
7756	(18) (25) 3 78 166^{a} 174δ(½) 190
7762	254 284 04.712
7765	(18) 3 52 78 166^{a} 174δ(½) 190
7769	(19) (21) 54 59 177 180
7771	(18) (25) 3 78 166^{a} 174δ(½) 177 180
7779	267 04.712
7790	(25) 3 78 166^{a} 285
7799	(18) (25) 3 78 166^{a}
7800	(18) (25) 3 78 166^{a} 174
7802	(18) (25) 3 166^{a} 174 254
7808	(19) (21) 188 192^{a} 265
7809	(19)(δ o) 54 59 177 180
7810	(15) (32) 3 78 166^{a} 174 254 259
7811	(15) (32) 54 59 177 180
7813	3 78 166^{a} 174 259
7814	(19) (21) 188 192^{a} 265
7818	(18) (25) 3 78 166^{a} 174
7823	(15) (32) 54 59 254
7825	(18) (25) 3 52 78 166^{a} 174
7830	(18) (25) 52 177 180
7831	(18) (25) 3 78 166^{a} 174
7840	267 91.775
7844	284 91.775
7849	(13) (23) 66 172 182
7853	(13) (23) 66 172 182

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7854	3 62 78 174 254
7856	(13) (23) 66 177 180
7860	283 91.775
7864	(13) (23) 66 172 182
7873	(13) (23) 54 59 66
7882	(13) (23) 54 59 177 180
7886	(13) (23) 66 172 256
7887	54 59 62(½) 172 182
7889	(13) (23) 3 172 174 182
7890	54 59 66 172 182
7892	(13) (23) 66 78 254
7898	3 78 172 174 182
7901	(13) (23) 66 177 180
7903	3 62 78 172 174 182
7905	(13) (23) 66 177 180
7910	(13) (23) 3 78 174 254
7913	188 192^{a} 91.819
7916	(10)(½) 254 04.712(½)
7918	254 284 03.923(½)
7922	(3) 3 78 168 170 174
7923	(13) (23) 8 172 182 188
7924	(3)(δ½) (10)(δ½) 1 3 78 168 170 174 254
7925	54 62 172 182 256
7926	(13) (23) 8 177 180 188 192^{a}
7927	(3)(δ½) (10)(δ½) 1 3 78 168 170 174 178 184
7928	62 172 177 180 182
7929	(13)(δ½) (23) 8 177 180
7933	(13) (23) 66 172 182
7934	(13) (23)(δ½) 66 177 180
7939	(3) (10) 1 3 78 174 178 184
7940	(13) (23)(δ½) 66 177 180
7943	(13) (23) 66 172 182 256
7945	(3) (10) 1 3 78 174 188 192^{a}
7946	177 180 186^{a} 187 193
7949	(13) (23)(½) 8 172 182
7950	(13) (23)(½) 8 178 184
7951	(3) (10) 3 174 188 192^{a}
7953	(3) (10) 3 78 174 177 180
7954	(13) (23) 8 178 184
7960	(3) (10) 1 70 172 254
7962	(3) (10) 1 70 168 170 182
7963	3 78 174 178 184
7964	(13) (23) 8 186^{a}δ(½) 187 193
7966	(13) (23) 66 172 182
7967	(3)(δ½) (10) 1 3 78 174 177 180
7971	(3) (10) 188 192^{a} 292
7973	256 03.961
7975	70 178 184 188 192^{a}
7976	(13) (23) 66 168 170
7977	(13) (23)(δ½) 8 168 170
7979	(3) (10) 1 66 177 180 184 187 193
7980	(3) (10) 1 66 172 178 182 186^{a} 187 193
7981	(13) (23) 8 168 170 256
7983	62 178 184 188 192^{a}
7987	(13) (23) 66 170 256
7988	(3) (10) 1 70 170 256
7989	(13) (23) 66 172 182
7990	62 172 182 188 192^{a}
7992	(3) (10) 70 178 184 256
7995	186^{a} 187 188 192^{a} 193
7996	(3) (10) 1 70 178 184
7997	(13) (23) 66 172 182
7998	62 168 170 177 180
8000	(13) (23) 8 170 256
8001	(13) (23) 66 177 180 186^{a} 187 188 192^{a} 193
8002	(3) (10) 70 172 182 187
8003	(3) (10)(a½) 70 178 184 186^{a} 188 192^{a} 193
8005	(13) (23) 8 177 180
8006	(3) (10) 66 178 184 186^{a} 187 188 192^{a} 193
8011	(13)(δ½) (23) 8 172 182
8012	(3) (10) 1 66 172 182
8013	168 170 03.923 03.961
8019	187 91.808
8021	(5)(δ½) (12) (22) 70 168 170
8024	(3) (10) 1 178 184
8025	(5)(δ½) (8)(δ½) 8 186^{a} 187 193
8026	(3) (10) 1 168 170
8027	(12) (22) 9(a½) 172 182 187
8028	(5)(½) (8)(δ½) 70 178 184
8029	(12) (22) 8 186^{a} 193
8032	(5)(δ½) (8)(δ½) 1 172 182
8034	(3) (10) 70(a½) 178 184
8037	(5)(δ½) (8)(δ½) 1 187 193
8038	91.788 91.808
8039	(5) (12) (13) 8 168 170 172 256 91.775
8042	(12) (22) 70(a½) 178 184
8043	(3) (10) 1 172 182
8044	(5)(a½) (8) 8 9 168 170
8045	(12) (22) 70 172 182
8046	(13) (23)(δ½) 66 186^{a} 187
8047	(3) (10) 1 168 170 256
8048	(5) (8) 8 9 186^{a} 187 193
8049	(13) (23) 66 178 184
8050	(12) (22) 70 186^{a} 187 193
8051	(3) (10) 1 168 170 172 182
8052	(5) (8) 70 178 184
8059	(17) (29) 70 178 184
8060	(12) (22) 1 186^{a} 187 193
8063	(3) (10) 70 172 182
8064	(12) (22) 70 168 170
8066	(17) (29) 1 178 184
8067	(5) (8) 8 9 186^{a} 187 193
8070	(12) (17) (22) 66 70 168 170
8071	(3) (10) 04.712
8072	(5)(δ½) (8) 8 178 184
8073	(12) (22) 9 172 182
8074	(10) (13) (23) 1 168 170
8075	(3) 1 168 170 186^{a} 187 193
8076	(5)(δ½) (8)(δ½) 70 178 184
8078	(17) (29) 8 172 182
8079	(13) (23) (29) 66 178 184
8080	(5) (8) 9 172 182
8081	(12) 8 186^{a} 187 193
8085	(5) (8) (22) 70(½) 256

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8087	(13) (23) 66 187 193
8089	(3)(δ ½) (10) 70 172 182
8090	(5)(δ ½) (8)(δ ½) 9 168 170
8093	(17) (29)(δ ½) 186^{a} 187 193
8094	(5) (17) (29) 168 170
8095	(12) (22) 9 172 182
8097	(17) (29) 70(δ ½) 168 170
8098	(12) (22) 9 186^{a} 187 193
8099	(12) (22) 70 186^{a} 187 193
8100	(5)(δ ½) (8)(δ ½) 8 172 182
8101	(3) (10) 1 178 184
8107	(5)(δ o) (8)(δ ½) 8(α o) 9(α ½) 256
8111	(3) (10) 256 91.808
8112	256 91.808
8118	(3) (10) 1 178 184
8119	(5) (8) 9 168 170 273
8120	(12) (22) 8 178 184
8121	(3) (10) 1 178 184
8122	(5) (8)(α ½) 8 9 187 193
8123	(3)(δ o) (10) 1 168 170 273
8124	(5) (8) 8 9 178 184
8125	(12) (22) 70 186^{a} 187 193
8126	(3) (10) 1(α ½) 168 170 273
8127	(12) (22) 9 168 170 273
8128	(5) (8) 8 178 184
8129	(3) (10) 70 186^{a} 187 193
8130	(17) (29)(δ ½) 186^{a} 187 193 194
8131	(17) (29)(δ ½) 70 168 170
8133	(12) (22) 8 9 186^{a} 187 193
8134	(3) (10) 1 91.788
8136	(17) (29)(δ ½) 70 178 184
8137	(12) (22) 8 168 170
8138	178 184 91.775 91.824
8142	(3)(½) (10)(½) 91.788 91.808 (δ ½)
8144	(12) (22) 1 168 170
8145	(5)(δ ½) (8)(δ ½) 8 9 194
8146	(3) (10) 168 170 91.775 91.827
8147	(17) (29) 70 178 184
8151	(34)(α ½) (42) 186^{a} 187 193
8152	(5) (8)(δ o) (12) (22) 9 194
8156	(5)(δ ½) (8)(δ ½) 9 91.788
8164	(17) (29) 9 269 91.788
8166	(10) 186^{a} 187 91.808
8167	(37)α (39) 75 186^{a} 193
8168	(17) (29) 269 91.788
8169	(5) (8)(δ ½) 9 178 184
8170	(34) (42) 70 91.788
8171	(12) (22) 1 194 269
8172	(17) (29) 70 186^{a} 187 193
8173	(3) (10) 11 75 184
8174	(5) (8)(δ o) 9 269 273
8175	(12) (22) 1 186^{a} 187 193
8176	(12) (22) 11 75 184
8178	(3) (10)(δ ½) 1 194 269
8179	(5) (8)(δ ½) 9 178 184
8191	(12) (22) 11 273 277
8192	(17) (29) 9 273 277
8193	(17) (29) 187 193 278
8195	(12) (22) 11 75 276
8197	(12) (22)(δ ½) 186^{a} 187 193
8198	(5) (8) 9 273 276
8199	(12) (22) 11 75 274
8200	(5) (8) 9 273 276
8201	(17) (29) 186^{a} 187 193 269
8202	(17) (29) 194(δ ½) 277 278
8203	(12) (34) (42) 11 194 277 278
8204	(5) (8) 9 269 273 276

Anhang III.

1. Einzelwerte der A.R., wenn der größte Unterschied $0\overset{s}{.}20$ übersteigt.

Nr.	A.R. 1900.0	Nr.	A.R. 1900.0
9	23.06 22.94 23.16 23.05	993	52.69 52.48 52.59 52.66 52.58
10	33.11 33.30 33.26 33.13 33.27 33.08 33.22	1000	36.05 (½) 36.22 36.21 36.15 36.26
35	58.95 59.00 59.07 59.21 59.05 59.02	1001	54.58 54.49 54.73 (½)
41	13.16 13.11 13.34 13.39 13.31 13.36	1030	7.81 7.93 7.54 (½) 7.73
47	28.08 28.18 28.28 28.07 28.14 28.20	1044	18.09 (½) 18.33 18.37
72	21.66 21.40 (½) 21.51 21.66	1078	37.28 37.28 37.50
97	48.41 48.26 48.48 48.39 48.35	1096	4.27 4.50 4.28 4.31
100	22.78 22.89 22.72 22.67	1107	3.71 3.50 3.63 3.64 3.64 3.63
107	17.48 17.26 17.39 17.46	1258	18.76 18.55
113	5.37 5.31 5.57 5.46 5.38	1320	57.29 57.18 57.19 57.15 57.02
118	24.24 24.48 24.35 24.35 24.37 24.30	1368	12.01 11.79 11.89
129	52.16 52.32 52.31 52.00	1376	21.21 21.16 21.39
153	44.11 44.18 44.23 44.05 44.13 44.00 44.11	1396	49.90 49.83 49.85 49.83 49.84 49.66
312	32.92 32.64 32.84 32.73	1411	54.59 54.37 54.54
338	26.42 26.52 26.30	1447	26.85 26.95 27.10
353	58.40 (½) 58.69 58.67 58.64	1462	0.75 0.96
412	22.71 (½) 23.04 22.89 22.97	1473	48.30 48.38 48.51
417	47.18 47.04 46.94	1511	43.80 43.67 43.86 43.91
449	32.91 (½) 33.15 33.16	1570	7.04 6.88 6.90 7.00 7.15
457	47.75 (½) 47.44 47.45 47.38 47.39	1588	14.99 15.22
468	11.66 11.88 11.74	1632	0.89 0.80 1.02
480	29.26 29.15 29.04	1727	20.44 20.67
494	59.70 (½) 59.45 59.42	1756	4.37 4.40 4.40 (½) 4.61 (½)
504	10.66 10.75 10.93	1766	5.28 (½) 5.53 5.46
505	47.65 47.62 47.87	1785	42.44 42.55 42.33
524	18.20 17.99 17.96 18.05	1791	9.65 (½) 9.90 9.85 9.91
528	17.42 17.17 (½) 17.44	1812	8.86 8.68 8.65 8.71 8.61
534	59.44 (½) 59.18 59.20	1827	39.20 (½) 39.41 39.41
558	31.22 (½) 31.08 31.01	1830	56.64 (½) 56.86 56.83
569	9.95 (½) 10.26 10.16	1863	41.82 41.59 41.63
571	18.65 (½) 18.29 18.42 18.38 18.49	1910	4.64 4.87 4.76
576	51.69 51.51 51.46	1927	35.27 35.50 35.36
648	59.71 (½) 59.47 59.44 59.42 59.54 59.37	1930	13.29 13.08 13.18
657	22.23 (½) 22.01 22.02 (½)	1966	12.56 12.62 12.81 (½)
682	11.15 11.23 11.14 11.23 11.18 11.27 11.06	2039	28.46 28.63 (½) 28.37 28.44
689	10.42 10.51 10.30 (½) 10.34 10.35 10.36	2093	11.44 11.33 11.41 11.55
742	40.68 (½) 40.78 40.89 40.86	2143	13.33 13.15 13.16 13.12
746	9.09 8.86 (½) 9.01	2174	23.33 23.48 23.61
754	54.84 (½) 54.61 54.69 54.60 54.65	2246	5.67 5.90 5.68
756	12.06 (½) 11.82	2456	37.05 (½) 36.76 36.72
783	5.03 4.83 4.96 5.04	2504	16.27 16.47 16.48
791	27.74 27.95 27.84 (½)	2566	43.50 43.75 43.64
804	46.68 46.77 46.65 46.86 46.71 46.74	2575	32.38 32.38 32.61
833	20.33 20.50 20.27	2583	2.83 3.10 2.85 2.95 2.99 3.00 3.02 3.04 2.95
897	40.63 40.40 40.38	2646	20.27 20.30 20.48 20.40 20.39
900	0.74 0.96 (½) 0.99	2648	24.30 24.54
930	28.73 28.90 28.94 28.84	2651	37.62 37.39
955	52.26 52.16 52.37 52.31	2692	6.73 6.52 6.73 6.72

Nr.	A. R. 1900.0
2734	15.69 15.46 15.54
3125	33.87 33.95 34.09 33.95
3183	3.08 2.87 3.09
3523	26.33 26.58(½) 26.37
3939	24.20(½) 23.93 23.91
3985	24.78 25.05 24.97 24.94 24.89
4050	44.67 44.74 44.92 44.82
4051	6.71 6.94 6.90
4062	51.09 51.31 51.31
4107	59.10 59.31 59.27
4122	17.99 18.12 18.15 18.21
4168	14.93 15.17 15.14
4174	35.93 36.15 36.05
4235	40.74 40.54 40.77
4366	26.71 26.93(½) 26.70
4371	10.64 10.60 10.82
4377	39.81 40.04(½) 39.80
4442	17.34 17.13 17.21
4532	28.73 28.88 28.67 28.70
4672	8.63 8.50 8.72 8.68
4886	22.64 22.86 22.82
5001	30.39 30.10 30.24
5019	49.29 49.04 49.22 49.32 49.30
5223	38.79 38.89 39.06
5238	7.85 7.71 7.94 7.78
5239	9.59 9.66 9.82
5292	19.55 19.34 19.38 19.38
5306	59.89 59.59 59.71 59.77
5312	42.10 41.84
5351	27.21 27.33 27.48
5440	21.08 20.86 20.92
5478	8.13 7.90 7.99 7.96
5484	58.55 58.34 58.51 58.48 58.39
5515	39.28 39.01(½) 39.22 39.22
5550	52.71 52.57 52.50
5561	53.46(½) 53.27 53.29 53.24
5731	37.29(½) 36.96 37.04
5738	7.31 7.54
5791	52.66 52.46 52.44
5802	54.98 55.19
5921	37.25 37.49(½) 37.25(½) 37.26 37.28
5957	39.73 39.68 39.65(½) 39.47
5969	25.03 24.82 24.82
5983	27.66 27.90
6017	28.33(½) 28.41 28.60 28.44 28.47
6061	58.97 59.18 58.99
6082	34.24 34.06 34.01
6083	18.10 18.32 18.17
6094	20.45 20.70(½) 20.52
6095	27.59 27.86
6100	20.03 20.31(½) 20.12 20.08
6125	20.53(½) 20.70 20.75
6135	19.03 19.16 18.90
6177	29.39 29.63(½) 29.34 29.39
6182	50.40 50.30 50.54
6202	41.37 41.36 41.61
6208	22.14 22.05 22.29

Nr.	A. R. 1900.0
6276	45.19 45.43
6324	40.80(½) 41.03 40.88
6337	31.88(½) 31.57
6361	6.61 6.84 6.76(½) 6.71 6.70
6438	13.40 13.67
6447	4.18 4.10 4.31
6452	58.06 58.18(½) 58.27
6459	47.01 47.30
6489	59.99(½) 0.09(½) 59.92 59.88
6505	51.74 51.61(½) 51.65 51.53
6510	37.00 37.08 36.81 36.89
6526	32.74 33.00
6538	50.25(½) 50.42 50.36 50.43 50.46(½) 50.46
6549	34.15 34.09 33.91
6560	39.29 39.46(½) 39.25 39.32
6577	33.21 32.98
6593	21.77(½) 22.11(½) 21.92
6606	43.09 43.30 43.28 43.28
6627	15.18 15.32 15.05
6645	13.58 13.82(½) 13.74 13.73
6647	44.61(½) 44.34 44.30
6683	5.54 5.50 5.71 5.64
6694	12.36 12.65 12.54 12.54
6746	41.86 41.65 41.80
6766	7.81(½) 7.79(½) 7.58 7.66
6808	46.78 46.77 46.65 46.87 46.71
6869	0.93 0.64 0.83
6872	29.25(½) 29.51 29.51
6895	19.33(½) 19.07 19.16 19.17
6915	25.46 25.70 25.63 25.63 25.71
6920	0.25 0.09(½) 0.35
6925	45.30 45.44 45.62(½)
6933	14.12 14.45(½) 14.26
6944	2.93 3.17 2.99
6956	49.15 49.09 49.02 48.94 49.00 49.00 49.03 48.99
7006	23.43 23.35 23.67(½) 23.46 23.46
7029	59.42 59.64 59.52 59.58
7033	28.20 28.36 28.42
7038	7.45 7.18(½) 7.53 7.39
7092	39.55 39.43 39.62 39.42 39.40
7093	44.56 44.34 44.44 44.51 44.49 44.46
7095	25.33 25.11 25.25 25.30
7099	45.51 45.41 45.28(½) 45.52 45.50
7142	44.26 44.52(½) 44.23 44.25
7158	7.32 7.49 7.57
7246	44.77(½) 44.54 44.72 44.65 44.70
7250	8.93(½) 9.05 9.15
7271	3.95(½) 3.66(½) 3.85 3.81 3.91
7291	15.99(½) 15.87 15.84 15.71
7296	6.42(½) 6.55 6.63 6.54 6.53 6.48
7318	8.34(½) 8.18 8.39 8.24
7340	40.91 40.88 41.13(½) 40.90 40.93
7345	18.94 18.95 19.05 19.17
7351	20.87(½) 20.90 21.00(½) 20.72 20.78
7352	22.03 22.21 22.26 22.08 22.13
7354	32.49(½) 32.56 32.69 32.78 32.75
7357	50.48(½) 50.66 50.73

Nr.	A.R. 1900.0	Nr.	A.R. 1900.0
7361	1.51 1.59 1.61 1.74 1.74 1.58 1.68	7945	31.07 30.97 31.08 31.01 31.18 31.13 31.08 31.11
7366	0.48 0.53 0.34 0.64 0.50 0.47	7960	55.94 56.00 55.87 55.83 56.03 56.07
7389	30.61 30.61 30.38 30.56 30.49	7963	27.67 27.48 27.55 27.54 27.69
7406	51.74(½) 51.52 51.66 51.59 51.54 51.61 51.63	7977	32.03 31.91 31.81 31.89 31.97
7413	15.10 15.02 15.14 15.27 15.11 15.25	7980	28.99 28.97 29.08 29.14 29.07 29.02 29.08 28.99 28.93 29.00
7421	57.07 57.13 56.96 56.91 56.92	8003	45.34 45.05(½) 45.19 45.20 45.26 45.23 45.22 45.30 45.34
7422	10.65 10.53 10.46 10.43	8027	36.15 36.13 35.98(½) 36.19 36.21 36.11
7473	55.83(½) 56.00 56.01 56.04	8059	54.07 54.15 54.02 54.14 54.24
7481	56.12(½) 56.34 56.29	8066	13.22 13.31 13.50 13.38 13.38
7483	7.14 7.20 7.20 7.28 7.20 7.35	8084	51.87 52.08 51.99
7491	4.45 4.39 4.37 4.54 4.30	8085	4.08 4.03 4.18 3.91(½) 4.03
7558	52.08 52.23 52.24 52.21 52.30	8098	2.75 2.88 2.73 2.75 2.57 2.80
7563	8.07 8.22(½) 8.37(½) 8.08 8.12	8101	27.58 27.74 27.82 27.76 27.71
7573	41.61 41.82	8107	49.28 49.30 48.88(0) 49.42(½) 49.13
7581	55.30 55.42 55.19 55.37 55.24	8114	5.81 6.03
7622	20.17 20.39 20.31 20.28	8122	59.35 59.18(½) 59.43 59.47 59.43 59.47
7632	26.26 26.18 26.20 26.35 26.22 26.14	8129	25.19 25.31 25.25 25.40 25.31 25.41
7693	38.41 38.53 38.37 38.47 38.63 38.59 38.58 38.52	8130	56.97 57.18 57.11 57.11 57.06 57.11
7710	11.02(½) 11.26	8140	36.86 37.08
7712	35.27(½) 35.49	8142	44.20(½) 44.14(½) 43.98 43.99
7713	12.39 12.61 12.50 12.47 12.57	8151	2.25(½) 1.89 1.98 2.04 2.03
7729	40.82 40.62 40.91 40.71 40.82 40.83	8155	25.35(½) 25.27 25.08 25.17
7731	26.54(½) 26.36 26.23 26.29	8159	34.01 33.81 34.07 33.97
7754	24.73 24.62 24.69 24.50 24.60	8161	59.83 59.92 59.96 0.06
7756	3.68 3.52 3.77 3.61 3.60 3.60	8170	34.64 34.45 34.66 34.42
7854	8.82 8.70 8.74 8.61 8.72	8193	34.45 34.64 34.55 34.68 34.59
7866	20.10 20.11 20.36 20.14		
7880	3.24 3.27 3.52 3.51		
7939	19.82 19.68 19.79 19.73 19.75 19.86 19.86 19.93		

2. Einzelwerte der Decl., wenn der größte Unterschied 2″.5 übersteigt.

Nr.	Decl. 1900.0	Nr.	Decl. 1900.0
3	44″.1 46″.6 45″.3 46″.7 46″.3	59	27.3 30.1
4	25.7(½) 25.9 28.7 27.2 26.3	73	22.8 20.8 19.9 20.6
6	44.0 41.6(½) 42.8 43.3 44.9	79	44.6 47.4 46.2 46.0
9	15.7(½) 17.9 19.0 19.0	83	6.8 7.7 8.4 5.6 6.9
10	40.6(½) 38.8(½) 38.4 40.0 38.9 37.2 38.7	87	16.9(½) 19.7 19.1 20.0 18.7 18.9
14	21.7 23.4 20.6 21.3	92	2.2 5.1 3.7 1.8
21	59.2 56.2 57.6	96	44.6 47.9 45.4 45.6 44.7 46.2
27	14.4 18.2(½) 14.6 15.1	112	30.7 32.3 31.7 29.4 30.2 31.4
30	37.8 43.1(0) 39.2 40.2 38.5 39.6	113	58.2(½) 61.4 58.3 59.6 59.7
33	4.8(½) 5.9(½) 3.3 2.4	127	15.6 14.5 13.3 15.3 16.1
34	29.1 27.2 30.0 28.8	129	61.6 62.2 59.4 61.2
36	59.4(½) 62.2(½) 60.8 61.0 60.4 61.1	133	58.6(½) 61.5 61.4
37	16.8(½) 17.6(½) 15.9 15.6 14.2	144	29.4 32.9(½) 30.0 30.8 29.5
39	12.3 12.7 12.5 11.4 8.5(½) 11.1	154	37.9(½) 33.4 35.7 35.2
41	26.3(½) 27.1(½) 24.2 26.3 25.4 25.6	158	23.5 22.7 25.4 24.1 23.4 24.7
42	13.3 15.1(½) 11.8 12.2	160	55.9 54.8 55.1 56.8 57.4
43	25.4(½) 28.1(½) 26.4 25.3 24.8	161	11.8 11.6 14.3 13.4
47	40.1 43.9 41.3 41.7 40.1 41.2	166	22.0(½) 20.0 19.0 20.5 20.2
48	41.9(½) 40.8(½) 38.8 40.4	173	11.4 8.7 9.4
55	60.8 58.5 60.9 61.6	175	57.9 61.1 59.4 59.0

Nr.	Decl. 1900.0	Nr.	Decl. 1900.0
176	20.4(½) 17.8 19.3 19.0	900	24.4 23.1(½) 26.3
194	8.6 5.9 6.8 7.3	901	16.9 14.0 16.3
202	11.4 9.5(¼) 13.1 13.1	906	17.6 14.4 13.8
203	3.0(½) 5.6 5.5	926	2.4(½) 3.7 5.4 6.1 4.5
255	34.4(½) 37.6 37.4	929	34.2 36.9 36.1 34.3
268	20.7 18.9 17.9 18.4	953	32.0 35.4 33.2
293	13.1(½) 10.6 9.3 10.7 11.2	957	58.2 57.0 55.6 58.2 56.8
294	48.9 45.9 46.9	962	33.6(½) 37.6 35.8
296	41.9 41.7 39.3 40.5 40.0	974	10.2 12.8 11.7 11.9 12.0 11.4
297	6.0(½) 8.6 8.1 9.0	993	22.8 21.6 22.6 23.6 20.4
389	30.9 33.7(⅓) 31.1	1001	20.3 17.9 22.7(½)
393	3.4(½) 1.2 1.4 0.6	1009	8.1 5.4 7.4 6.1
444	38.4(¼) 33.3 34.7	1026	48.9(½) 45.2 46.1
496	5.4 2.2 3.7	1029	6.8 5.2 7.8 7.0
504	38.0 41.9 39.5	1034	8.5(½) 11.6 12.7
506	16.9(½) 15.1 13.9 15.0 14.1	1036	18.8(0) 22.3 23.1 24.8
548	41.3(½) 45.1 42.8 43.8	1072	0.8(¼) 4.1 5.7
567	12.9 15.8 15.0	1078	59.2 62.0 61.4
571	42.0(½) 45.2 43.2 43.3 44.5	1081	41.0 43.9 43.2
573	51.3(¼) 47.3 48.3	1106	44.7 41.0(½) 42.7(½) 43.7
575	50.6 50.7 51.3 48.6 50.1 51.6	1114	25.1 27.9
595	13.6 14.8 13.1 15.4 15.8	1148	33.9(½) 36.6
604	16.6(½) 14.3 13.6 13.3	1158	27.2 26.5 29.1
606	30.5(½) 32.5 31.5 33.2	1240	40.2(½) 43.7 42.5
615	13.9 11.3 12.8 12.0	1252	46.4 44.3 43.8
617	43.8(¼) 46.5 47.4	1275	35.9 39.1 38.1
656	46.9 36.5(0) 46.6 47.0	1349	15.7 15.8 18.7(½)
665	17.5 17.5 15.5(½) 17.9 19.0 18.7	1374	19.4 16.7 17.2 17.9
668	59.0 56.6(½) 58.3 58.8 59.3(½) 58.4 59.1	1416	19.5 16.9 17.6
674	62.2 59.6 60.2(½) 62.0 61.1 60.8	1444	18.4 18.5 18.4 20.4 17.0
682	28.8 32.8(½) 30.0 30.0 30.8 29.7 30.6	1455	16.2 14.9 14.9 13.5
686	48.8(½) 51.4 51.0 51.4 50.3 50.9	1489	37.4 40.4
691	8.6(½) 11.1 12.0 11.9 10.4	1521	14.2 16.2 15.3 16.7
698	14.1 12.2(½) 14.0(½) 14.8 14.0 14.2	1546	44.0(½) 47.7 46.2
725	31.5 31.3 32.8 32.3 31.7 32.8 33.1 34.1 32.4	1566	4.9 4.3 7.6
728	28.5 27.3 25.5 26.8 27.6 28.3 27.7	1573	24.0(½) 21.2 22.3
738	38.3(¼) 41.4 43.2 42.4 41.9 42.6	1602	4.4 2.0 1.2
749	10.7 13.3 12.4 12.2 12.0 12.0	1609	26.9(½) 23.0 24.3 24.9
754	24.2(½) 26.3 27.1 26.1 26.7	1645	58.9 56.2
778	42.8 40.7(½) 43.6 42.4	1659	32.7 35.4
783	27.5 26.5 28.5 29.6	1676	15.2 15.4 14.7 12.3(½)
799	3.6 4.8 0.7(¼)	1681	41.2 38.3 39.4
802	15.1(½) 14.7(½) 13.3 12.4	1722	55.2 52.6
804	9.7 7.8 8.9 8.0 8.3 6.5	1740	52.0 55.2 54.1
807	47.4 44.4 45.4 46.8 46.5 45.6 45.5	1749	59.4 57.2 60.2
813	4.2 7.1	1782	40.7(½) 43.7 42.2 43.3
814	21.7 24.8 24.2 22.6	1798	35.8 35.7 34.2 37.6
816	47.8 48.3 47.8 45.3	1804	32.7 33.5 32.0 34.6 32.4
831	36.4 37.9 38.4 38.6(½) 39.9	1808	51.8(½) 52.9 53.7 55.2
832	15.2(½) 12.2	1815	27.9 30.3 29.9 29.5 29.3
833	50.0 49.0 47.3	1817	62.8 62.6 61.5 59.3
860	22.8 25.4 24.7	1835	51.6 52.6 54.8 54.0
865	49.2 47.5 46.3	1851	17.6(½) 16.1 15.0
871	20.9 23.8	1854	26.2 22.9(½) 25.3
873	59.0 60.2 58.8 57.6(½)	1863	34.7 33.3 32.1
874	42.1 40.2 42.9	1874	21.0 18.9 20.1 19.1 18.2 19.8
879	59.1 60.9 59.7 62.6(½) 59.3(½)	1880	15.6 15.9 13.7 16.8 15.4

Nr.	Decl. 1900.0
1892	31.3 28.7 32.5 (½) 31.0
1918	49.3 51.5 48.8 49.7
1928	48.0 49.7 49.8 50.6 49.9
1938	17.7 16.0 15.8 15.0
1956	25.4 22.7
1964	18.0 (¼) 16.8 (½) 14.8 14.3
1978	25.8 (½) 23.1 23.0 23.0 21.8
1982	57.9 60.7
1987	22.9 25.5 25.8 (½) 23.6 23.4
1993	51.3 48.4 49.7
2001	58.3 55.7 56.0 55.6
2002	50.6 53.5
2066	59.1 59.9 57.1 (½)
2076	62.0 61.0 59.4 60.8
2145	54.2 53.4 53.0 55.3 52.1 53.1
2157	2.8 4.0 (½) 0.7
2195	59.5 57.9 61.2 60.0 59.8
2318	36.7 36.9 37.0 34.7 36.7 34.3
2354	40.6 40.4 (½) 37.6
2418	4.6 1.8 2.9
2478	16.8 14.7 13.7
2522	59.9 62.8 (½) 60.3
2635	23.5 24.5 21.9
2646	48.4 49.5 50.5 48.4 47.7
2647	2.9 4.8 3.1 1.9
2678	21.2 22.4 24.2 (½) 22.6
2847	60.8 57.5 58.9
2892	22.3 19.6 21.2
2935	41.9 45.6 (½) 42.2
2936	9.4 6.7
2956	12.7 10.1
3012	17.9 20.9 18.6
3060	50.9 48.4 51.0
3273	57.2 55.6 54.9 54.0
3305	4.2 4.5 1.9 2.8
3321	23.1 21.1 20.1
3356	9.7 (¼) 4.6 (¼) 7.4 7.0
3427	54.8 57.9 55.9
3478	51.8 49.5 49.6 48.5
3493	18.0 20.9 20.0
3540	40.9 42.6 39.6
3693	45.7 42.2 43.9
3700	54.3 53.2 56.0
3852	19.5 16.9 17.4 17.7
4169	39.0 (¼) 42.7 42.6
4509	50.6 48.0 49.0
4646	3.7 2.4 5.0
4660[1]	43.3 46.5 45.0 45.8
4676	22.8 20.1 21.8 22.7 22.8 22.9
4734	52.1 52.7 50.0 (½)
4778	18.6 21.2
4792[1]	27.8 26.5 24.1 26.8 24.5
4831	39.6 41.0 38.3
4906	39.8 (½) 38.5 37.5 35.8 (½) 37.6
4920	61.5 (½) 59.0 56.6 (¼) 57.9
4931	4.5 5.0 1.2 (¼) 4.0
4944	2.3 (½) 3.3 0.3 (¼) 2.6
5001	57.1 54.1 54.9
5028	57.5 57.8 56.5 56.7 59.1
5095	46.3 (½) 44.2 42.9
5134	50.7 53.6 (½) 52.2
5174	11.6 13.2 13.1 14.2 12.9 13.5
5203	29.0 26.2 (¼) 29.2
5227	45.9 45.0 45.7 44.3 46.8 43.3
5266	0.2 (¼) 4.1 4.6
5271	55.3 52.4
5287	11.6 10.8 8.6 8.3 9.8
5356	51.5 54.2 53.2 54.2 53.1
5420	45.0 43.7 42.3 43.8 45.1
5471	16.5 19.3
5516	33.7 35.2 34.4 33.6 32.5 34.9
5520	59.8 58.3 58.2 58.4 56.8 58.0
5552	37.0 33.5 35.4 35.3
5596	54.1 52.4 55.0 54.1
5599	20.3 17.7 19.7 19.2
5603	48.6 51.3 50.1 49.9 49.9 50.7
5618	6.9 4.2 7.1 6.4
5625	15.9 16.3 13.6
5654	30.8 33.6 32.6 32.5
5686	39.1 42.1 41.2 40.4 40.4
5688	33.7 30.1 (½) 33.1
5819	18.1 20.3 20.7
5833	17.4 14.6 16.4
5872	14.6 11.7 12.2
5927	56.3 55.1 53.7 (½) 53.6
5940	46.9 49.7 47.0
5944	22.6 25.2 23.8
5960	11.3 8.7
5963	8.4 10.5 11.4 11.1 10.7
5968	7.7 (½) 5.0 (½) 6.2 (½) 8.5 (½) 5.4 5.9
6063	38.1 (½) 36.0 35.2 35.3 35.8
6068	25.3 (½) 23.4 23.2 22.7 22.5
6069	38.5 37.4 40.2
6094	35.2 (½) 36.6 (½) 33.7
6194	22.2 (½) 25.0 23.4 22.5
6345	8.3 11.5 9.4
6354	41.5 40.7 42.2 39.6
6459	44.8 42.0
6482	50.9 48.0
6489	54.6 (½) 52.9 (½) 52.0 52.0
6571	10.5 13.6 (½) 11.0 11.4
6584	23.5 25.8
6687	50.8 53.5
6706	41.5 (½) 38.0 36.3 (½)
6752	48.8 51.6 49.2
6778	22.3 (½) 19.7 19.7
6783	41.7 (½) 44.7 44.9
6786	39.5 41.2 42.8 (½) 40.6 41.4
6790	51.4 48.7 49.1
6805	31.6 (½) 35.8 (½) 33.5 33.6
6826	40.7 43.4 42.0
6832	46.9 50.5 48.0

[1] mit E.B. auf die mittl. Ep. reduziert.

Nr.	Decl. 1900.0
6883	17.1 20.0 18.1 18.8
6890	0.3 3.6 2.3 1.0
6918	3.7 2.8 4.1 1.4
6940	4.7 2.2 2.9
6952	26.4 29.3 27.3 27.1
6953	11.2 14.1 12.8 12.3 12.2 13.1
6954	47.0 45.9 44.2
7006	38.4(½) 41.6 42.6 42.1 41.2 43.2(½)
7023	16.2 18.2 18.9 17.5
7051	53.1 55.1 55.7 53.9 54.2 54.7
7063	57.1 60.5 59.2 58.1
7082	35.8 33.4(½) 35.7 36.2
7085	15.0(½) 17.1 17.7 18.0
7108	53.5 51.6 50.5 52.7
7124	13.2 16.0 15.0 15.3
7136	51.1(½) 48.2 50.0 50.0
7143	10.8 9.7 12.9 11.0 11.2
7151	56.6 57.9 59.2 57.7 58.8
7152	14.1 17.0 16.2 15.7
7160	6.9(½) 4.4 4.0
7161	5.9(½) 2.0(½) 3.3 4.4 3.4
7167	5.1(½) 5.4(½) 3.4 3.4 2.2
7174	9.1(½) 6.6 7.0 6.6 6.2 7.8
7177	56.4(½) 53.8 53.0 53.0
7179	5.6(½) 1.5(½) 4.0 3.2 4.3 4.2
7205	41.1 36.7(½) 40.1 39.6 38.9 39.7 39.7
7207	46.9(½) 51.3 51.4 50.5
7210	9.9(½) 7.9 7.0 7.9 7.9 8.3
7237	9.7(½) 5.6(½) 6.5 7.9
7238	42.0 40.7(½) 43.3 42.7 42.3
7257	46.9(½) 44.7 44.3 45.5
7258	53.1(½) 49.6(½) 50.3 51.4 52.0
7270	14.0(½) 9.5(½) 14.0(½) 11.7 11.6
7271	17.9(½) 14.8(½) 15.5 16.0 15.8
7272	38.6 41.3 40.5 41.0
7275	44.2(½) 41.9(½) 44.4 44.6 45.5 43.8 43.5
7277	20.6(½) 23.6 22.4 22.5
7279	41.8(½) 39.9 39.8 39.3 39.3
7286	41.2(½) 42.5 44.8 43.5
7305	13.5(½) 16.1 16.7 17.2 17.3
7312	36.9(½) 36.8 39.5(½) 37.4 37.4 38.0
7316	16.8(½) 14.9 14.0 15.2
7336	15.6(½) 18.5 20.0 19.2
7344	59.9(½) 58.2 60.8 59.7 58.7 58.8
7359	39.5(½) 37.6 37.8 37.8 36.6
7360	3.8(½) 1.9 0.8 1.1 1.7 1.5
7362	42.3 45.4 43.4 45.3 44.0 44.7 43.6
7372	42.7 40.2(½) 42.1 42.4 42.0
7386	51.0 50.3 53.0
7387	50.4 47.6(½) 50.1 50.1
7389	13.1(½) 16.6 17.8 16.4 17.6
7399	34.8(½) 37.4 37.8 38.3 38.0
7403	4.0(½) 3.1 0.5 2.1 2.7 2.5
7413	39.4 36.7(½) 37.9 39.2 39.7 37.9
7416	56.7 55.2 54.1 56.8
7424	19.1 21.6(½) 19.1 18.9
7443	39.3(½) 38.1 36.1(½) 39.1 38.6
7470	29.1 26.6(½) 28.3 29.2 29.6 28.7
7474	60.2 61.3 58.6 60.3 59.6
7494	44.5(0) 40.1 39.5 40.0
7496	46.4(½) 43.3(½) 44.4 45.6 44.3
7510	21.5 18.7(½) 21.2 21.6 20.6
7525	39.4 35.2(½) 37.0(½) 38.5 40.1 38.9
7530	36.7 34.9 37.8 36.4
7534	47.6 50.0(½) 46.5 46.8
7539	44.3 42.7(½) 45.4 46.0
7541	10.4(0) 14.0 14.4 15.2
7543	25.0 21.1(½) 25.5 23.7 24.2
7549	10.9 7.1(½) 9.9 10.7
7559	51.4 53.8(½) 51.6 50.8
7561	18.7(½) 22.3(½) 20.2
7564	57.0(½) 54.9 54.8 54.8 54.3
7570	43.9(½) 41.2 42.2 42.2 41.5
7572	9.8 8.5(½) 10.4 10.1 11.1 10.2
7590	55.0 53.2 53.8 55.9 55.6
7604	22.5 22.5 20.4(½) 23.7 23.7
7609	35.3 36.6 33.9 36.0 35.3 35.8
7621	27.9 25.2(½) 29.3
7625	61.7 59.6(0) 62.6 62.6 62.6
7626	17.3 15.5(½) 18.1 17.9 16.8
7665	6.0(½) 5.6(½) 1.6(½) 4.0 3.3 4.1 3.2
7666	16.9 17.9 17.5 18.2 21.0(0) 17.7 17.6 18.2
7677	8.9 10.4 9.0 10.9 10.3 10.5 12.9(½)
7678	31.0 33.6 31.7 32.4 31.8 32.5
7680	20.6 16.9(0) 19.1 20.6 21.6 20.9 19.5
7683	57.8 60.6 60.0 58.7 59.4
7691	61.5 62.1 59.4(½) 62.2 62.6 61.9
7703	42.6 41.6 44.7 43.2
7713	34.6 33.4 35.9 34.2 36.0
7716	34.3 39.3(0) 35.1 34.4 35.0
7735	40.8 44.8(0) 40.6 40.2 40.5
7742	12.9(½) 10.7 10.4 10.3
7752	16.3 15.0 17.7 15.8 16.8 17.1(½) 15.6
7791	28.2(0) 22.5 23.1
7793	49.0 47.2 50.1 49.0
7802	26.8 28.7 29.7 28.7 27.9 27.8
7809	4.3(0) 0.9 1.1 1.0 1.0
7831	3.5 4.9 2.0 3.9 3.9 2.6
7892	9.9 11.1 8.4 9.8 10.1
7916	58.6(½) 55.6 53.3(½)
7918	34.8 33.1 36.2(½)
7924	12.8(½) 16.6(½) 14.5 14.5 15.5 15.5 14.5 14.4 15.3
7927	13.2(½) 18.5(½) 15.3 16.0 16.2 17.4 15.4 16.6 16.2 16.4
7937	29.8 32.5
7949	29.1 30.4(½) 27.9 27.8 28.7
7950	2.9 5.8(½) 3.1 3.2 2.8
7960	12.2 14.7 13.3 14.8 12.6 14.8
7967	3.0(½) 5.9 5.4 4.5 4.8 5.4 5.5 5.2
7977	43.8 46.6(½) 44.4 44.9 44.8
7986	52.8(½) 49.9 49.5 49.7
8022	30.2(½) 32.6(½) 34.0 33.1
8042	6.4 3.8 4.7 5.6 5.3

Nr.	Decl. 1900.0	Nr.	Decl. 1900.0
8046	49.3 46.8(½) 49.6 49.5 49.8	8136	33.7 30.2(½) 32.5 34.4 33.1
8053	54.2(½) 58.2(½) 56.0 56.8	8144	21.4 21.4 22.1 20.6 19.1
8059	6.4 9.3 6.8 7.5 8.1	8145	55.5(½) 54.7(½) 52.9 52.1 53.6
8076	11.6(½) 12.6(½) 9.3 10.1 9.8	8149	37.9(½) 37.0 35.1 34.8
8081	46.3 46.6 44.9 45.7 47.5	8150	42.3(½) 42.1(½) 38.6 39.4
8082	54.1 52.6 50.8 52.4	8152	32.2 36.0(0) 32.0 32.4 32.9 32.2
8085	16.8 16.7 15.0 13.8(½) 16.1	8155	20.7(½) 20.3(½) 16.9 17.9
8089	5.2(½) 4.6 2.5 3.8 2.8	8156	47.3(½) 51.7(½) 49.6 48.7
8090	60.7(½) 61.6(½) 58.9 60.0 58.9	8159	1.7 3.6(½) 1.2 0.1
8091	26.3(0) 31.3 32.2	8167	45.1 46.6 47.2 44.6
8092	17.0(½) 17.3(½) 14.8 14.5	8169	9.1 11.5(½) 7.4 8.5 8.0
8097	54.2 55.2 51.8(½) 54.9 53.7	8174	50.3 54.7(0) 51.0 50.9 49.9
8107	19.8(0) 14.3(½) 13.9 15.1 15.3	8177	10.7 9.8 12.4 10.9
8123	57.5(0) 1.3 1.3 1.1 1.5 1.0	8179	43.0 46.5(½) 44.0 44.0 43.5
8130	35.4 37.5(½) 34.7 35.9 36.9 35.5	8182	32.4 33.4 32.5 35.2
8135	54.2(½) 52.8 51.7 50.7	8202	56.8 56.4 53.8(½) 54.4 56.3

Anhang IV.

Verzeichnis von bekannten Eigenbewegungen.

Die Eigenbewegungen sind den folgenden Quellen entlehnt:

AP = Astronomical Papers Vol. VIII, Part III. Catalogue of Zodiacal stars for 1900 and 1920.
Au = A. Auwers, Neue Reduktion der Bradleyschen Beobachtungen und Tobias Mayers Sternverzeichnis.
Ba = H. Battermann, Beobachtungsergebnisse der Kgl. Sternwarte zu Berlin Nr. 8 und 10.
Bo = J. Bossert, Catalogue de l'Observatoire de Paris.
Ev = H. B. Evans, The mean Right Ascensions and Proper Motions of 254 stars.
Gl = R. Grant, Second Glasgow Catalogue of 2156 Stars for the Epoch 1890.
Kor = J. Kortazzi, Katalog der Astronomischen Gesellschaft, Stück XV.
Kü = F. Küstner, Veröffentlichungen der Kgl. Sternwarte zu Bonn Nr. 2.
Po = J. G. Porter, Publications of the Cincinnati Observatory 13—14.
Ro = H. Romberg, Katalog von 5634 Sternen für die Epoche 1875.0
Sey = J. Seyboth, Publications de l'Observatoire central Nicolas Série II, Vol. IX.
Sto = E. J. Stone, Catalogue of 6424 Stars for the Epoch 1890.

Die AP-Werte sind auf die Struvesche Präzessionskonstante übertragen, aber für den Unterschied der Systeme nicht verbessert. Nach einer Vergleichung mit den im AG-System bestimmten Eigenbewegungen wird man hierfür beiläufig annehmen können: AG—AP = $-0^{s}.0010$ $+0''.005$. Die Bo-Werte sind unverändert, jedoch um eine Dezimale gekürzt angesetzt.

Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ	Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ	Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ	Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ
15	Ro	$-0^{s}.006$	$-0''.13$	291	Po	$+0^{s}.0149$	$-0''.123$	1050	Po	$+0^{s}.0034$	$-0''.127$	3214	Po	$-0^{s}.0150$	$-0''.021$
18	Po	+0.0202	−0.027	396	Gl	−0.004	+0.10	1185	Bo	+0.005	−0.11	3234	Au	−0.0053	−0.046
19	Au	−0.0013	+0.010	433	Po	−0.0131	−0.349	1211	Au	−0.0025	−0.01	3414	Au	−0.0036	−0.019
22	AP	+0.0027	−0.004	436	Kor	—	+0.06	1216	Au	+0.0026	−0.071	3423	Po	+0.003	−0.115
26	Au	0.000	−0.01	453	Au	+0.001	+0.020	1278	Po	+0.0179	−0.229	3455	Po	−0.028	+0.04
27	Sey	+0.0014	−0.007	518	Au	−0.0015	−0.034	1301	Au	−0.0044	+0.044	3495	Po	−0.0122	−0.025
30	AP	+0.0004	+0.008	526	Ro	+0.0237	−0.051	1325	Au	−0.0010	+0.011	3527	Ro	−0.007	−0.01
36	AP	+0.0002	−0.033	527[1]	Po	+0.0228	−0.058	1356	Kü	+0.036	−1.14	3598	Au	−0.0022	+0.021
57	AP	−0.0025	+0.009	538	Kü	+0.063	−0.07	1403	Au	−0.0011	−0.015	3652	Au	−0.0033	+0.007
58	AP	+0.0011	+0.022	565	Au	+0.005	+0.01	1422	Au	−0.0010	+0.033	3672	Kü	−0.0155	−0.050
82	Au	−0.004	−0.02	568	Gl	−0.013	−0.09	1439	Po	+0.0063	−0.107	3681	Bo	+0.009	0.00
95	AP	−0.0004	+0.005	585	Au	−0.0009	+0.007	1476	Bo	0.000	−0.11	3682	Bo	+0.013	0.00
101	AP	+0.0041	−0.005	622	Po	−0.0122	−0.443	1493	Kü	+0.0450	+0.15	3683	Gl	−0.003	+0.11
103	Po	+0.0094	−0.078	631	Kü	+0.018	+0.02	1574	Po	−0.0204	−0.822	3722	Au	−0.0015	−0.027
111	Po	+0.0222	−0.040	676	Kor	—	+0.20	1611	Po	+0.0449	−2.110	4021	Au	−0.0054	+0.027:
117	AP	+0.0063	+0.010	720	Au	−0.0009	−0.003	1650	Au	−0.0052	+0.02	4023	Au	−0.0077	+0.018
121	Po	+0.0277	−0.023	725	Au	−0.0010	+0.009	1665	Au	−0.0013	+0.018	4034	Po	−0.0289	−0.284
134	Gl	0.000	−0.18	738[2]	Gl	−0.017	—	1678	Au	−0.0003	+0.011	4037	Au	−0.0008	+0.01
141	Au	−0.001	0.00	793	Po	+0.0175	−0.069	1721	Ev	−0.0003	+0.006	4043	Au	−0.0046	−0.018
145	Po	+0.0040	−0.106	817	Po	−0.0190	−0.798	1730	Au	−0.0008	+0.010	4059	Po	+0.0060	−0.115
152	Au	+0.004	0.00	894	Po	−0.0029	−0.203	1851	Po	0.0000	−0.221	4068	Po	−0.0033	−0.151
165	Po	+0.0017	−0.257	902	Po	+0.0504	−0.234	2098	Au	−0.0008	+0.007	4132	Au	−0.0031	+0.021
184	Po	+0.0189	−0.112	903	Au	−0.0027	+0.009	2184	Kor	+0.009	−0.13	4157	Po	−0.0160	−0.186
191	Kü	−0.007	−0.02	904	Po	+0.0245	−0.195	2339	Po	−0.0383	+0.030	4271	Po	+0.0495	−0.120
193	Au	−0.0022	−0.009	943	Au	0.000	−0.045	2463	Gl	−0.025	+0.05	4334	Au	−0.004	−0.08
230	Au	−0.0091	−0.090	961	Au	−0.0030	+0.03	2776	Po	−0.0212	+0.134	4354	Sey	−0.0044	−0.042
261	Po	−0.0018	−0.105	970	Au	+0.0019	−0.003	2807	Po	+0.0044	−0.229	4359	Po	−0.0080	−0.084
269	Au	−0.0066	−0.014	991	Po	−0.0042	−0.187	2845	Po	−0.0034	+0.204	4398	AP	+0.0054	−0.056
282	Po	−0.0114	−0.098	999	Au	−0.0009	−0.025	3071	Au	−0.0027	+0.018	4428	Sey	−0.0017	+0.012

[1] Ro $+0^{s}.0237$ $-0''.051$. [2] Die E.B. in δ ist durch einen Fehler in der Übertragung von Bessel entstellt; aus Str—B würde beiläufig folgen $-0^{s}.011$ $-0''.04$.

Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ	Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ	Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ	Kat.-Nr.	Qu.	Jährl. Eigenbew. μ_α	μ_δ
4439	AP	+0″.0001	−0″.040	4840	Au	+0″.0087	−0″.022	5852	Po	−0″.0122	−0″.055	7701	Au	−0″.0034	+0″.01
4447	AP	−0.0037	−0.049	4858	AP	−0.0029	+0.003	5856	Po	0.000	−0.169	7707	Au	+0.0034	−0.09
4451	Ro	−0.008	−0.04	4865	AP	−0.0015	−0.001	5897	Po	−0.0205	−0.090	7725	Au	+0.0026	−0.07
4454	Po	−0.0133	+0.020	4871	Au	−0.0081	−0.030	5956	Po	−0.0090	−0.216	7727	Au	−0.0002	−0.01
4460	AP	−0.0073	+0.059	4889	Au	−0.0006	+0.096	6008	Po	0.000	−0.157	7736	Au	−0.0047	−0.022
4479	Ev	−0.0065	−0.002	4899	AP	+0.0044	−0.053	6033	Au	+0.0080	−0.042	7743	Au	+0.0065	−0.09
4488	AP	−0.0007	−0.043	4917	AP	−0.0031	−0.051	6114	Po	0.0000	−0.272	7755	Au	−0.0019	+0.042
4500	AP	+0.0016	+0.033	4921	Au	−0.004	−0.01	6180	Po	−0.0143	−0.272	7794	Au	−0.0010	+0.002
4505	AP	−0.0009	−0.004	4938	AP	−0.0053	−0.010	6185	Au	0.0000	−0.025	7798	Au	+0.007	+0.04
4521	Po	−0.0208	−0.10	4942	Au	−0.0053	−0.015	6187	Kor	+0.0097	−0.139	7805	Kor	+0.008	—
4522	Ba	−0.002	−0.06	4945	Ev	−0.0029	+0.004	6225	Po	+0.0025	−0.183	7820	Sey	−0.0035	−0.013
4523	AP	−0.0078	−0.089	4992	Po	+0.0020	−0.213	6313	Po	−0.0107	−0.269	7833	Au	+0.0008	−0.031
4527	Po	−0.0397	+0.434	5022	Po	−0.0283	−0.098	6338	Au	−0.0040	−0.065	7851	Po	−0.0061	−0.110
4531	Po	−0.0083	+0.136	5055	Po	−0.0128	−0.284	6339	Au	−0.0012	−0.020	7893[2]	Po	−0.0140	−0.296
4538	Po	−0.0084	−0.119	5061	Po	−0.0205	+0.080	6370	Po	−0.0065	−0.37	7901	Kü	+0.004	+0.02
4547	Ba	−0.0028	+0.035	5072	Sey	−0.0045	−0.022	6383	Po	−0.0122	−0.377	7924	Ba	−0.0007	+0.004
4548	Ba	−0.0036	+0.033	5091	Po	−0.0446	−0.086	6395	Au	+0.0026	−0.028	7936	Sey	−0.0011	+0.031
4550	Ba	−0.006 :	+0.04 :	5092	Au	−0.007	−0.01	6432	Au	−0.0048	−0.018	7953	Sey	−0.0014	+0.026
4570	Au	+0.001	−0.04	5129	Au	−0.0064	−0.056	6443	Au	+0.0013	+0.024	7956	Po	+0.0288	−0.263
4577	Po	−0.0098	−0.202	5147	Po	−0.0181	−0.030	6457	Au	−0.0044	−0.05	7967	Bo	+0.025	0.00
4581	Ba	−0.002 :	+0.03 :	5170	Kü	−0.0266	+0.05	6458	Au	−0.0008	−0.007	7985	Po	+0.0374	−0.098
4587	Ba	−0.002	−0.02	5224	Kor	—	−0.17	6591	Po	+0.0054	+0.051	8004	AP	−0.0005	−0.007
4605	Po	−0.023	−0.665	5247	Po	−0.0112	−0.133	6733	Po	+0.0055	−0.057	8009	Sey	−0.0026	+0.013
4606	Po	−0.0088	−0.085	5253	Po	−0.0078	−0.167	7072	Po	−0.0095	−0.072	8017	Po	+0.0152	−0.072
4611	Ba	−0.0069	+0.015	5260	Po	−0.0267	−0.109	7074	Po	−0.0090	−0.062	8026	Po	+0.0116	−0.012
4613	Au	−0.006	+0.03	5269	Bo	0.000	−0.10	7085	Au	+0.0012	−0.005	8030	Po	+0.0178	−0.118
4634	Au	−0.0035	−0.019	5361	Po	−0.019	−0.204	7096	Au	+0.0032	+0.003	8036	AP	−0.0031	−0.028
4637	Kü	−0.0102	−0.140	5372	Po	0.0000	−0.161	7171	Au	−0.003	−0.008	8058	Po	+0.0104	−0.093
4641	AP	−0.0025	−0.002	5433	Po	−0.0072	−0.171	7173	Bo	0.000	−0.10	8067	Au	−0.0034	+0.008
4646	Au	+0.002	−0.01	5485	Kü	−0.0015	−0.011	7228	Au	−0.0024	−0.027	8068	Po	+0.0123	−0.222
4660	Po	−0.0153	−0.181	5493	Po	−0.0111	+0.015	7261	Au	+0.0043	+0.002	8069	Au	−0.0023	−0.002
4666	AP	−0.0045	−0.002	5496	Au	−0.0042	+0.021	7267	Au	−0.0013	−0.008	8077	Po	+0.0110	−0.198
4698	Po	−0.0015	−0.065	5507	Au	−0.0078	−0.021	7287	Kor	—	+0.093	8079	Au	−0.0014	+0.029
4704	Po	−0.0189	0.000	5536	Po	−0.0191	+0.090	7294	Gl	−0.012	0.00	8090	Au	+0.0060	−0.004
4706	AP	−0.0029	−0.065	5548	Ba	−0.0071	+0.071	7324	Au	+0.0046	−0.003	8125	AP	+0.0013	−0.029
4729	Au	−0.0036	+0.010	5621[1]	Au	+0 0003:	+0.014	7353	Po	−0.0137	−0.137	8138	AP	+0.0028	−0.042
4731	Au	−0.0041	+0.064	5714	Po	−0.0095	−0.236	7367	Po	+0.0154	+0.228	8142	Po	−0.0107	−0.180
4749	Po	−0.0152	−0.197	5716	Sto	−0.0070	+0.040	7432	Au	−0.0002	+0.022	8143	Au	+0.0048	+0.003
4751	Au	−0.0060	−0.018	5721	Po	−0.0043	−0.427	7479	Au	−0.0032	−0.037	8160	Au	+0.0040	−0.019
4766	Kor	—	−0.09	5780	Au	−0.0044	−0.05	7482	Au	−0.0037	−0.068	8169	AP	−0.0001	+0.018
4792	Po	+0.0144	−0.096	5785	Po	−0.012	+0.08	7562	Bo	−0.028	−0.27	8171	AP	−0.0014	−0.021
4807	AP	−0.0054	−0.057	5817	Po	−0.0653	−1.128	7673	Po	0.0000	−0.114	8191	Po	−0.017	−0.16
4829	Po	−0.0081	−0.135	5824	Po	+0.0075	−0.160	7676	Po	−0.0082	−0.250	8194	Au	−0.0002	−0.002
4832	Au	−0.0035	−0.010	5830	Po	−0.0049	−0.140	7695	Au	−0.0011	−0.002	8196	Au	+0.0028	0.00

[1] med. [2] seq. maj.

Druckfehlerverzeichnis, Berichtigungen und Zusätze.

Kat. Nr. 657	Die nicht benutzten Beobachtungen sind: 22^{s}43 51$''$6 Ep. 89.9 Z. 72 dupl.? 22.07 57.6 » 89.9 » 79 dupl. med.
» » 685	Zonen st. 7 Beob. l. 6.7 Beob.
» » 917	Ep. st. 89.5 l. 89.5 89.4
» » 1374	Zonen st. 5 Beob. l. 5.4 Beob.
» » 1609	» st. 4 Beob. l. 3.4 Beob.
» » 1619	» st. 5 Beob. l. 5.4 Beob.
» » 1801	» st. 5 Beob. l. 4.5 Beob.
» » 1892	Zone 96 Gew. ½
» » 1966	Ep. st. 91.4 l. 91.3 91.4
»	Zone 311^a Gew. α ½
» » 2066	Ep. st. 89.7 l. 89.7 89.6
»	Zone 107 Gew. δ ½
» » 2087	» 22 Gew. ½
» » 2397	Zonen st. 3 Beob. l. 2.3 Beob.
» » 2405	» st. 3 Beob. l. 2.3 Beob.
» » 2479	Die einzelnen Beobachtungen sind: 0^{s}95 34$''$1 Ep. 90.1 Z. 110 dupl. 0.93 30.6 » 90.2 » 122 dupl. med. 0.76 32.0 » 04.167 dupl. pr. 1.04 26.6 » » dupl. seq. Hiernach scheint sich die erste Beobachtung auf die vorangehende südliche, etwas hellere Komponente zu beziehen; sie ist bei der Bildung des Katalogortes ausgeschlossen.
» » 3218	Zonen st. 3 Beob. l. 2.3 Beob.
» » 3220	» st. 3 Beob. l. 2.3 Beob.
» » 3602	Zone 231^a Gew. ½
» » 3636	Die Position bezieht sich auf den folgenden der beiden benachbarten Sterne.
» » 3747	Zone 231^a Gew. ½
» » 4343	Decl. st. 23' l. 43'
» » 4375	Ep. st. 91.7 l. 91.7 91.9
»	Zone 225 Gew. δ ½
» » 4975	Die Größe ist in eine Klammer einzuschließen; die Position bezieht sich auf die vorhergehende Komponente.
» » 5160	Die Nr. der B.D. ist mit einer [ ] zu versehen.
» » 5172	Zone 144 Gew. δ ½
» » 5826	Zone 155 Gew. δ ½
» » 6038	Decl. st. 6' l. 7'
» » 6133	Die Größe ist in eine Klammer einzuschließen.
» » 6783	Zone 37 Gew. δ ½
Anh. I Nr. 73	Der programmäßig zu beobachtende Stern war Kat. Nr. 7014, von dem die Position Anh. I 73 um -4^s85 $-2''0$ abweicht. Es liegt daher nahe, einen Fehler von 5^s zu vermuten, doch hat die Revision des Registrierstreifens diesen Verdacht nicht bestätigt. Die Uhrsignale sind richtig gezählt und abgelesen, auch in der Rechnung ist kein Fehler vorgekommen. Nur die Tastersignalfeder hat an dieser Stelle der Zone zeitweise versagt, so daß die Antritte von vier unmittelbar voraufgehenden Sternen verloren gegangen sind. Von Nr. 73 selbst sind aber 3 Antritte und das Signal der δ-Einstellung deutlich verzeichnet. Leider ist diesmal nicht ganz zweifelfrei festzustellen, welchen Fäden dieselben entsprechen, da die Schreibfeder nach dem 3. Signal wieder aufgehört hat zu schreiben und daher auch das sonst übliche Zeichen für die beobachtete Gruppe fehlt. Die angesetzte Position ist unter der Annahme berechnet, daß die Antritte den drei ersten Fäden der Mittelgruppe angehören, und die reduzierten Durchgangszeiten sind dann 14^m1^s27 1^s65 1^s60. Eine bessere Übereinstimmung geben die drei ersten Fäden der letzten Gruppe 13^m18^s41 18^s45 18^s32, womit an Stelle der angesetzten Position treten würde $20^h14^m34^s75$ $-5°28'9''2$. Läßt man Unterschiede in den 3 Antrittszeiten bis zu einer halben Sekunde zu, so würden außerdem noch die Örter $20^h15^m58^s30$ $-5°28'10''2$ 15 39.55 10.1 15 36.53 10.0 möglich sein. Am Himmel ist der Stern innerhalb der hier möglichen Grenzen wiederholt (1906 Juni und Juli) — auch am großen Refraktor (1906 Juli 9) von Herrn Wirtz — vergeblich gesucht worden; auch unter der Annahme, daß die δ-Einstellung um einen oder mehrere volle Grade fehlerhaft gewesen ist, habe ich kein Objekt gefunden, das mit dem gesuchten Stern identifiziert werden könnte. Entweder liegt hier ein unkontrollierbares mehrfaches Versehen vor — oder der Stern ist veränderlich.

Über anderweitige Verbesserungen der Örter des Katalogs s. S. (31)—(32).

Inhalt.

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